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REPORT

OF THE

HEALTH OF LIVERPOOL

DURING THE YEAR 1871,

BY W. S. TRENCH, M.D.,

Medical Officer of Health for the Borough.

LIVERPOOL:
BENSON & HOLME, PRINTERS, 10, CASTLE STREET.

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DECADE 1861-70.

THE population of the Borough of Liverpool at the Census of April 3rd, 1871, was 498,846. This shows an increase of 49,408 inhabitants since the previous Census in 1861. The per centage rate of this increase during the ten years was 11·13, and the per centage annual geometrical rate was 1·06. The number of inhabited houses at the period of the Census of 1871 was 78,434, which gives an average of 6·3 persons for each house; it also shows an increase of 12,653 occupied houses over the returns made at the Census of 1861, when the number of inhabited houses was 65,781, and the average of inhabitants per house 6·7. While the population and house accommodation of the Borough became enlarged, there was in the Parish—the limits of the old Borough—a diminution of 2,717 in the number of inhabited houses, and a falling off of 31,389 in the number of its inhabitants. This lessening of residents in the Parish, or central districts of the town, would have been altogether a desirable result, if the cause which led to it had been simply the migration of the people to more airy and salubrious localities in the Out-Townships, but, unfortunately, we find that during the decenniad the deaths within the Parish exceeded by 2,660 the number of births during the same period. The present average of inhabitants per house within the Parish is 6·9; it was 7·2 at the Census of 1861.

There were erected within the Borough, during the interval between the two Census periods, 15,223 houses, or 680 in the Parish and 14,543 in the Out-Townships. Of these houses, 499 were cottages, at a rental below £12 per annum, especially adapted for the accommodation of the labouring classes;

12,181 were houses at a rental between £12 and £25, and designed for the better classes of artisans; 1,654 were at a rental between £25 and £35, and 889 were at rentals exceeding £35.

The number of houses which were demolished within the Borough during the ten years (1861-70) amounted to 1,717, or to 1,416 in the Parish and 301 in the Out-Townships. This does not include the various tenements in the business parts of the town which were, during the same period, converted into stores, offices, shops, or workrooms, and ceased to be inhabited as dwellings; nor does it include the houses in courts and streets which have been bricked up and closed by the owners.

The number of deaths registered in the Borough during the ten years (1861-70) was 156,205, and of these 76,301, equal to 48·8 per cent., were children under five years of age. During the same period zymotic diseases occasioned 45,814, tubercular diseases 22,175, and diseases of the lungs 26,775 deaths. Of the deaths from the zymotic class of diseases 1,411 were due to small pox, 4,094 to measles, 7,303 to scarlatina, 5,417 to hooping cough, 8,785 to diarrhœa (of whom 7,820 were children below five years of age), and 11,358 to fever. Inquests for sudden or violent deaths were held on 8,306 bodies, of which 2,849 were children under five years of age.

There were, during the ten years, epidemics of typhus fever, of cholera, of relapsing fever, and of small pox. The epidemic of typhus, which began during the cotton famine, continued during the years 1863-4-5 and 6. Asiatic cholera prevailed during 1866. Small pox was largely in excess of the ordinary average during the years 1864-5 and 1870; measles during the years 1866-7-8 and 9; scarlatina during the years 1866-9 and 1870; hooping cough during the year 1866; diarrhœa during the years 1864-5-6-8-9 and 1870. Relapsing fever was epidemic during 1870, and though the full extent of its fatal effects did not appear directly on the death registry of the disease, yet the weakness in which it left vast numbers of the poor prepared the way to an increase of deaths from pulmonary and other functional diseases, and added vastly to the fatal effects of the small pox epidemic of 1871.

The following table illustrates some facts of interest in connection with the several Registration Districts of the Borough during the ten years 1861-70.

Population of	1861.	1871.	Per Centage Geometrical Annual Rate of Decrease.	No. of Houses in 1861.	No. of Houses in 1871.	Average Population per House in 1871.	Houses Erected since Census of 1861.	Houses Demolished since Census of 1861.
Scotland Ward	81228	77016	1·00533	11056	11009	6·9	315	232
Vauxhall Ward	24816	18779	1·02826	3226	2874	6·5	39	83
St. Paul's and Exchange Wards	29078	24078	1·01904	3930	3418	7·0	1	156
Castle Street and St. Peter's Wards	16827	9208	1·06214	2031	1267	7·2	19	-359
Pitt Street and Gt. George Wards	29142	23470	1·02188	3625	2965	7·9	21	346
Rodney Street and Abercromby Wards	47410	45580	1.00392	6901	6701	6·8	161	36
St. Anne's and Lime Street Wards	41241	40222	1·00250	6272	6090	6·6	124	204
Parish of Liverpool	269742	238353	1·01244	37041	34324	6·9	680	1416
			Per Centage Geometrical Annual Rate of Increase.					
Everton and Kirkdale Wards	70983	123953	1·05733	11830	21541	5·7	8028	146
West Derby Ward	36527	50681	1·03329	6378	9180	5·5	3001	—
Toxteths	66686	80359	1·01882	10532	13389	6·0	3514	155
Out-Townships	174196	254993	1·03884	28740	44110	5·7	14543	301
Borough	443938	493346	1·010608	65781	78434	6·3	15223	1717

REPORT, 1871.

During the fifty-two weeks of the year 1871 (terminating on Saturday, 30th December, 1871), the Returns of the Local Registrars record 18,305 births and 17,366 deaths within the Borough of Liverpool.

Of the births, 9,347 were males, and 8,958 were females; making the total Birth-rate of the Borough equal to 37·0 per 1,000.

The distribution of the births in the different wards and districts of the Borough has been arranged in the following Table :—

BIRTHS.

	Districts and Wards.	1st Quarter.		2nd Quarter.		3rd Quarter.		4th Quarter.		Annual.
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Births
Parish.	Scotland	420	403	390	349	404	352	349	354	3021
	Vauxhall	87	85	86	67	78	73	75	78	629
	St. Paul's and Exchange	99	120	95	100	105	85	99	102	805
	St. Anne's and Lime Street	157	171	171	155	173	144	169	173	1313
	Castle Street and St. Peter's	32	28	25	33	26	26	26	34	230
	Pitt Street and Gt. George	87	95	94	78	72	70	93	89	678
	Rodney St. and Abercromby	258	207	204	176	213	207	186	174	1625
Out-Townships.	Everton and Kirkdale	689	667	615	580	6[illegible]7	631	629	611	5029
	West Derby	245	282	252	199	239	222	255	217	1911
	The Toxteths	396	436	400	364	365	357	382	364	3064
	Parish	1140	1109	1065	958	1071	957	997	1004	8303
	Out-Townships	1330	1385	1267	1143	1211	1210	1266	1192	10004
	Borough	2470	2494	2332	2101	2282	2167	2263	2196	18305

Of the 17,366 deaths, 9,019 were of males, and 8,347 of females; 9,286 occurred in the Parish, and 8,080 in the Out-townships.

The Death-rate of the Borough was equal to 35·1 per 1000.

The Death-rate of the Parish was equal to 39·0, and that of the Out-townships to 31·4 per 1000 of the population.

The deaths occurred in the following districts :—

DEATHS.

	Districts.	1st Quarter.		2nd Quarter.		3rd Quarter.		4th Quarter.		Annual.
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Deaths.
Parish.	Scotland	472	456	290	277	322	293	294	251	2655
	Vauxhall	100	91	67	64	74	78	57	68	599
	St. Paul's and Exchange	145	133	82	78	102	80	88	82	790
	St. Anne's and Lime Street	217	199	140	134	151	161	138	122	1262
	Castle Street and St. Peter's	33	34	30	37	23	30	33	21	241
	Pitt Street and Great George	97	133	80	98	98	72	63	73	714
	Rodney Street and Abercromby	131	150	118	114	117	107	87	99	923
	Parish Workhouse and Hospitals	452	373	271	208	203	142	257	196	2102
Out Townships.	Everton and Kirkdale	546	533	423	407	495	433	407	364	3608
	West Derby	170	165	156	161	167	159	174	151	1303
	The Toxteths	359	416	326	347	234	253	239	261	2435
	Out Township Hospitals	221	90	161	61	57	38	52	54	734
	Parish	1647	1569	1078	1010	1090	963	1017	912	9286
	Out-Townships	1296	1204	1066	976	953	883	872	830	8080
	Borough	2943	2773	2144	1986	2043	1846	1889	1742	17366

We are able, from the returns made by the Registrars as to the residences of persons dying in the Workhouses and Hospitals of the town, to classify 1,848 of the deaths in these establishments under the wards and districts from whence the patients were removed, viz., 481 under Scotland Ward, 208 under Vauxhall Ward, 195 under St. Paul's and Exchange Wards (Dale Street District,) 260 under St. Anne's and Lime Street Wards (Islington District,) 38 under Castle Street and St. Peter's Wards (St. George's District,) 162 under Pitt Street and Great George's Wards (St. Thomas's District,) 144 under Rodney Street and Abercromby Wards (Mount Pleasant District,) 246 under the Out-Townships of Everton and Kirkdale, 90 under that of West Derby, and 24 under those of the Toxteths. This will, however, still leave unclassified 988 deaths of persons whose previous residences were either unknown or are not specified.

The results of the alterations occasioned by a re-arrangement of the deaths in the wards and districts from whence the patients were removed will be shown in the following table, from which a calculated rate of mortality per 1,000 of the inhabitants has been made.

Districts and Wards.	Annual.	
	Deaths.	Rate per 1000.
Scotland	3136	40·7
Vauxhall	807	43·2
St. Paul's and Exchange	985	41·0
St. Anne's and Lime Street	1522	37·8
Castle Street and St. Peter's	279	31·1
Pitt Street and Great George	876	37·4
Rodney Street and Abercromby	1067	23·4
Everton and Kirkdale	3854	30·7
West Derby	1393	27·2
The Toxteths	2459	30·4
Parish and Out-Township Workhouses and Hospitals, residences unknown	988	...
Borough	17366	35·1

The average age at death of the inhabitants of the Borough during the twelve months of the year 1871 was 22 years, in the Parish 24 years, and in the Out-Townships 20 years. The following table shows that the average age was lowest during the third quarter, or during the months of July, August, and September, when Infantile Diarrhœa was rife.

Wards.	Quarters.								Year 1871.		
	First.		Second.		Third.		Fourth.				
	Age in Years.		Age in Years.		Age in Years.		Age in Years.		Age in Years.		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Both Sexes
Average Age at Death.											
Scotland	18	19	18	19	12	14	19	22	17	18	18
Vauxhall ,,	20	25	17	17	12	14	27	27	19	21	20
St. Paul's ,,	21	19	21	20	18	27	23	30	21	24	23
Exchange ,,	26	23	30	22	18	15	27	28	25	22	24
St. Anne's ,,	17	19	19	19	11	14	16	23	16	19	18
Lime Street ,,	15	26	20	19	16	21	28	32	20	24	22
Castle Street ,,	13	33	21	37	23	23	25	17	20	27	24
St. Peter's ,,	25	24	22	23	14	7	28	23	22	19	21
Pitt Street ,,	21	24	18	20	13	17	30	30	20	23	22
Great George ,,	23	19	15	20	22	19	22	23	20	20	20
Rodney Street ,,	21	34	23	18	25	31	32	35	25	29	27
Abercromby ,,	26	36	21	26	25	31	23	38	24	33	29
Parish Workhouse and Hospitals ,,	36	30	38	34	37	34	38	38	37	34	36
Everton & Kirkdale ,,	19	20	17	22	13	16	20	23	17	20	18
West Derby ,,	21	22	21	23	14	14	19	20	19	20	20
North Toxteth ,,	17	24	17	23	19	15	22	28	19	22	21
South Toxteth ,,	18	21	16	19	13	17	17	26	16	21	18
Out-Township Workhouse and Hospital ,,	23	25	22	17	35	27	34	35	28	26	27
Parish ,,	24	24	24	23	20	20	26	29	23	24	24
Out-Townships ,,	20	22	18	22	16	16	24	25	19	21	20
Borough ,,	22	23	21	23	18	18	25	27	21	23	22

The deaths of infants below the fifth year of their age amounted to 8,848, and thus comprised 48·0 per cent. of the whole deaths.

The first of the following tables shows the districts where infant mortality was relatively and absolutely greatest; the second table illustrates the influence of age on the death rate of the Borough; and the third table places, in one connected view, the pathological history of the death registry.

WARDS.		Quarters. March.	June.	Sept.	Dec.	Annual.	Per Centage of Deaths under 5 Years to Total Deaths.
Scotland	Total Deaths...	928	567	615	545	2655	57·9
	Below 5 years..	507	298	419	314	1538	
Vauxhall	Total Deaths...	191	131	152	125	599	54·4
	Below 5 years..	91	74	108	53	326	
St. Paul's	Total Deaths...	170	86	86	88	430	50·4
	Below 5 years..	88	44	45	40	217	
Exchange	Total Deaths...	108	74	96	82	360	48·0
	Below 5 years..	52	30	54	37	173	
St. Anne's	Total Deaths...	289	175	212	174	850	57·5
	Below 5 years..	169	93	145	82	489	
Lime Street	Total Deaths...	127	99	100	86	412	51·9
	Below 5 years..	71	54	56	33	214	
Castle Street	Total Deaths...	17	25	12	17	71	42·2
	Below 5 years..	8	8	6	8	30	
St. Peter's	Total Deaths...	50	42	41	37	170	54·1
	Below 5 years..	21	25	30	16	92	
Pitt Street	Total Deaths...	77	55	57	49	238	52·1
	Below 5 years..	41	29	34	20	124	
Great George	Total Deaths..	153	123	113	87	476	53·5
	Below 5 years..	74	74	65	42	255	
Rodney Street	Total Deaths..	147	90	90	76	403	42·4
	Below 5 years..	60	51	37	23	171	
Abercromby	Total Deaths...	134	142	134	110	520	39·6
	Below 5 years..	51	63	55	37	206	
Parish Workhouse and Hospitals	Total Deaths...	825	479	345	453	2102	16·7
	Below 5 years..	172	69	59	52	352	
Everton and Kirkdale	Total Deaths...	1079	830	928	771	3608	55·8
	Below 5 years..	556	436	618	405	2015	
West Derby	Total Deaths...	335	317	326	325	1303	55·5
	Below 5 years..	171	151	211	191	724	
North Toxteth	Total Deaths...	383	346	236	247	1212	54·1
	Below 5 years..	200	187	150	119	656	
South Toxteth	Total Deaths...	392	327	251	253	1223	55·5
	Below 5 years..	209	175	158	137	679	
Out-Township Workhouse and Hospitals	Total Deaths...	311	222	95	106	734	11·8
	Below 5 years..	48	26	4	9	87	
Parish	Total Deaths...	3216	2088	2053	1929	9286	45·0
	Below 5 years..	1405	912	1113	757	4187	
Out-Townships	Total Deaths ..	2500	2042	1836	1702	8080	51·4
	Below 5 years..	1184	975	1141	861	4161	
Borough	Total Deaths...	5716	4130	3889	3631	17366	48·0
	Below 5 years..	2589	1887	2254	1618	8348	

AGES.	Quarters.				Annual.	
	March.	June.	Sept.	Dec.	Deaths.	Rate per 1,000 of the Population.
Deaths at 1 year and under	1401	1013	1568	967	4949	10·0
,, between 1 year and 5	1188	874	686	651	3399	6·8
,, ,, 5 ,, 20	596	434	276	241	1547	3·1
,, ,, 20 ,, 60	1934	1424	1045	1305	5708	11·5
,, above 60 years	588	385	313	462	1748	3·5
,, at ages unknown	9	...	1	5	15	0·03
,, at all ages	5716	4130	3889	3631	17366	35·1

The Registrars' returns show that there were 14 deaths (11 of women and 3 of men) above the age of 90, viz., 2 females and 1 male at 91, 2 females at 92, 3 females and 1 male at 93, 1 female at 94, 1 female at 96, 1 female at 98, and 1 male and 1 female at 100. The male at 100 died at No. 17, Alice Street, West Derby, and was a gardener by trade. The female aged 100 died in the Liverpool Workhouse, and was the widow of a tailor.

CLASSES.	Quarters.				Year.
	March.	June.	Sept.	Dec.	1871.
1. Zymotic Diseases	2201	1533	1577	861	6172
2. Diseases of Uncertain Seat	111	103	114	119	447
3. Tubercular Diseases	593	566	495	487	2141
4. Diseases of Brain, &c.	436	331	364	307	1438
5. ,, of Heart, &c.	165	128	118	138	549
6. ,, of Lungs, &c.	1142	602	360	758	2862
7. ,, of Stomach, &c.	154	156	133	140	583
8. ,, of Kidneys, &c.	40	49	33	47	169
9. Childbirth, Diseases of Uterus, &c.	35	25	22	28	110
10. Rheumatism, Diseases of the Joints, &c.	15	10	22	12	59
11. Diseases of the Skin, Cellular Tissue, &c.	31	18	23	34	106
12. Malformations	9	8	5	7	29
13. Premature Birth	65	57	34	60	216
14. Atrophy and Debility	269	239	299	235	1042
15. Old Age	134	101	72	115	422
16. Privation, Cold, &c.	6	2	7	1	16
17. Inquests	285	188	199	270	942
Causes not specified	25	14	12	12	63
All Causes	5716	4130	3889	3631	17366
Total Zymotics	2201	1533	1577	861	6172
Small Pox	1062	679	150	28	1919
Measles	186	156	82	49	473
Scarlatina	211	149	124	146	630
Hooping Cough	197	125	87	110	519
Diarrhœa	52	64	859	152	1127
Typhus and Infantile Fever	196	187	131	187	701
Relapsing Fever	130	28	12	37	207

ZYMOTICS.

Zymotic diseases occasioned 6172 deaths during the year 1871, and thus accounted for 35.5 per cent. of the total mortality within the Borough of Liverpool during the same period. The following table shows the localities and the periods of their fatal prevalence:—

WARDS, &c.	Deaths from all Causes.	ZYMOTICS.				
		QUARTERS.				Per Centage of Zymotic deaths to deaths from all causes.
		March.	June.	Sept.	Dec.	
Scotland	2655	401	198	278	153	38·7
Vauxhall	599	79	58	63	27	37·8
St. Paul's	430	73	31	27	8	32 3
Exchange	360	29	17	36	17	27 5
St. Anne's	850	95	53	92	35	32 3
Lime Street	412	34	33	40	19	30 5
Castle Street	71	6	7	3	1	23 9
St. Peter's	170	15	15	15	12	33·5
Pitt Street	238	20	15	22	4	25 6
Great George	476	60	55	50	21	39·0
Rodney Street	403	42	26	21	15	25·8
Abercromby	520	26	42	41	20	24·8
Liverpool Workhouse Hospital	1487	109	68	52	94	21·7
North Hospital	122	...	2	1	...	2·4
South Hospital	111	4	1	...	1	5·4
Royal Infirmary	187	1	...	1	1	1·6
Children's Infirmary	37	1	2	...	1	10·8
Lying-in Hospital	18	...	...	2	...	11 1
Ashfield Street Hospital	140	106	31	...	...	97·8
Everton and Kirkdale	3608	404	268	416	185	35·2
West Derby	1303	95	95	150	84	32·5
North Toxteth	1212	142	151	96	53	36·4
South Toxteth	1223	159	151	103	48	37·6
West Derby Union	422	150	115	28	47	80·5
Everton Hospital	34	10	13	6	5	100·0
Kirkdale Hospital	278	140	86	34	10	97·1
Parish	9286	1101	654	744	429	31·5
Out-Townships	8080	1100	879	833	432	40·1
Borough	17366	2201	1533	1577	861	35·5

TYPHUS AND INFANTILE REMITTENT FEVER.

These diseases accounted within the Borough of Liverpool for 701 deaths, or for 404 in the Parish, and 297 in the Out-townships; the rate of their mortality was equal to 1.4 per 1000 per annum of the estimated population; their per-centage rate relatively to deaths from all causes was 3.4 during the first, 4.5 during the second, 3.3 during the third, and 5.1 during the fourth quarter of the year. Their deaths included 363 males and 338 females;

191 persons below the age of 15; 158 between the ages of 15 and 30, and 857 above the age of 30.

Every form of continued fever (with the exception of Relapsing Fever) is included under the generic term of typhus; but the Registers of Deaths attribute 19 cases to gastric fever, 87 to typhoid fever, 27 to enteric fever, 6 to continued fever, 3 to brain fever, and 322 to typhus. Under the term of fever there were registered 163 deaths, under that of febris 32 deaths, under that of febricula 21 deaths, and under that of low fever 1 death. The deaths registered under the term of infantile remittent amounted to 20.

The following tables are in themselves sufficiently explanatory; the first compares the averages of deaths from typhus during the preceding ten years with those during 1871; the second table shows the districts of the town and the periods of the year in which all forms of continued fever were most fatally prevalent; the third table marks in streets the habitats of the disease; and the remaining tables the occupations and social positions of its victims.

WARDS.	Exact Average of Fever Deaths for Preceding Ten Years.	Deaths from Fever during the Year 1871.
Scotland	145	101
Vauxhall	49	20
St. Paul's	25	9
Exchange	22	5
St. Anne's	44	36
Lime Street	17	9
Castle Street	4	1
St. Peter's	7	3
Pitt Street	13	3
Great George	29	24
Rodney Street	20	11
Abercromby	24	19
Everton and Kirkdale	117	102
West Derby	40	27
North Toxteth	58	35
South Toxteth	79	38
Hospital Deaths	409	258
Total	1102	701

In the above table the averages have been calculated without making allowance for increase of population.

DEATHS FROM TYPHUS AND INFANTILE REMITTENT FEVER.

WARDS.		Quarters. March. M.	March. F.	June. M.	June. F.	Sept. M.	Sept. F.	Dec. M.	Dec. F.	Year. M.	Year. F.	Total.
Scotland	Below 5 years	4	5	4	3	2	3	7	1	17	12	29
	Above 5 years	10	5	15	11	5	9	12	5	42	30	72
Vauxhall	Below 5 years	1	...	...	...	...	...	...	1	1	1	2
	Above 5 years	3	2	2	2	2	1	2	4	9	9	18
St. Paul's	Below 5 years	...	1	...	1	...	1	...	...	..	3	3
	Above 5 years	1	1	2	...	...	2	...	...	3	3	6
Exchange	Below 5 years	...	1	...	...	...	...	...	...	...	1	1
	Above 5 years	1	...	...	1	1	1	...	...	2	2	4
St. Anne's	Below 5 years	1	2	1	...	1	1	...	2	3	5	8
	Above 5 years	3	2	6	5	1	7	2	2	12	16	28
Lime Street	Below 5 years	...	...	1	1	...	...	...	...	1	1	2
	Above 5 years	1	1	1	1	1	1	...	1	3	4	7
Castle Street	Below 5 years	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years	...	...	...	1	...	...	...	...	...	1	1
St. Peter's	Below 5 years	...	...	...	...	...	...	...	..	...	...	...
	Above 5 years	...	...	1	...	...	...	2	...	3	...	3
Pitt Street	Below 5 years	..	...	...	...	...	...	...	...	...	...	...
	Above 5 years	1	...	...	...	1	1	...	...	2	1	3
Great George	Below 5 years	2	3	3	2	...	...	1	...	6	5	11
	Above 5 years	3	2	2	2	...	2	...	2	5	8	13
Rodney Street	Below 5 years	1	...	...	...	...	...	...	...	1	...	1
	Above 5 years	2	...	1	...	2	1	...	4	5	5	10
Abercromby	Below 5 years	...	...	...	...	...	...	...	1	...	1	1
	Above 5 years	2	2	2	...	2	2	5	3	11	7	18
Parish Workhouses and Hospitals	Below 5 years	2	1	...	...	...	1	...	2	2	4	6
	Above 5 years	23	16	24	18	19	7	26	24	92	65	157
Out-Township Workhouses and Hospitals	Below 5 years	...	...	1	1	...	...	...	...	1	1	2
	Above 5 years	8	9	15	13	6	8	19	15	48	45	93
Everton and Kirkdale	Below 5 years	2	5	7	3	2	3	2	2	13	13	26
	Above 5 years	12	17	5	5	5	7	11	14	33	43	76
West Derby	Below 5 years	1	1	1	2	...	...	...	...	2	3	5
	Above 5 years	2	4	1	3	6	3	3	...	12	10	22
North Toxteth	Below 5 years	1	...	1	...	2	...	1	2	5	2	7
	Above 5 years	5	4	4	6	2	4	2	1	13	15	28
South Toxteth	Below 5 years	1	5	...	1	...	1	...	...	1	7	8
	Above 5 years	11	3	3	2	...	5	1	5	15	15	30
Parish	Below 5 years	11	13	9	7	3	6	8	7	31	33	64
	Above 5 years	50	31	56	41	34	34	49	45	189	151	340
Out-Townships	Below 5 years	5	11	10	7	4	4	3	4	22	26	48
	Above 5 years	38	37	28	29	19	27	36	35	121	128	249
Borough	Below 5 years	16	24	19	14	7	10	11	11	53	59	112
	Above 5 years	88	68	84	70	53	61	85	80	310	279	589

List of Streets in the Borough wherein Three or more Deaths from Typhus and Infantile Fever occurred in 1871.

Streets in the Parish.	Houses. Front.	Houses. Court.	Total.	Streets in the Parish.	Houses. Front.	Houses. Court.	Total.
Beau	2	3	5	Springfield	...	3	3
Blandford	4	...	4	Titchfield	3	...	3
Bond	3	3	6	Upper Frederick	3	1	4
Bostock	3	...	3				
Brick	3	3	6				
Burlington	1	7	8	**Streets in the Out-Townships.**			
Carlton	2	5	7				
Cherry Lane	3	...	3				
Christian	4	3	7				
Clayton	2	2	4	Arkwright	3	1	4
Clement	2	1	3	China	3	...	3
Ennerdale	2	5	7	Clifton	4	...	4
Ford	2	2	4	Darnley	4	2	6
Gay	1	2	3	Great Homer	1	7	8
Great Richmond	3	1	4	Gordon	5	...	5
Hopwood	2	1	3	Gore	2	1	3
Hornby	8	5	13	Howe	6	...	6
Kitchen	2	5	7	Hyslop	...	3	3
Limekiln Lane	4	2	6	Jenkinson	3	2	5
Milton	4	...	4	Lamport	4	...	4
Naylor	3	1	4	Llanrwst	...	5	5
Newsham	1	2	3	Low Wood	3	...	3
Paul	1	3	4	Mann	9	6	15
Peach	3	...	3	Milford	3	...	3
Queen Anne	2	1	3	Park Road	2	1	3
Rachel	1	2	3	Parliament	...	3	3
Rathbone	1	3	4	Prince Edwin	6	2	8
Regent	3	...	3	Prince William	...	3	3
Rose Place	3	5	8	Robsart	5	...	5
St. Anne	1	2	3	Roscommon	3	...	3
Saltney	...	3	3	Stanhope	2	2	4
Scotland Road	3	1	4	Victoria	6	...	6
Silvester	3	...	3	Wolfe	4	...	4

Occupations of Persons who (either themselves or members of their family) have died from Typhus and Infantile Fever in the Workhouses or Hospitals of the Borough, tabulated into Wards from whence they came, during the Year 1871.

LIVERPOOL WORKHOUSE.

Occupations.	Wards. Scotland.	Vauxhall.	St. Paul's.	Exchange.	St. Anne's.	Lime Street.	Castle Street.	St. Peter's.	Pitt Street.	Great George.	Rodney Street.	Abercromby.	Everton and Kirkdale.	North Toxteth.	Unknown.	Total.
Labourers	47	12	3	8	12	2	...	...	...	5	2	2	1	...	9	103
Tradesmen	10	...	...	...	3	1	1	1	...	1	2	3	...	...	7	29
Servants	6	1	...	1	4	1	...	...	...	...	2	2	...	...	3	20
Seamen	1	...	2	...	1	...	...	...	...	...	...	...	...	...	1	5
Unknown	1	2	...	...	...	...	...	...	...	...	...	...	1	...	1	5
Profession (Resident Surgeon of W'khouse)	...	...	...	...	...	...	...	.	...	...	...	1	...	...	...	1
Males	42	7	3	4	8	1	...	1	...	3	4	4	1	...	13	91
Females	23	8	2	5	12	3	1	...	...	3	2	4	...	1	8	72
Total	65	15	5	9	20	4	1	1	...	6	6	8	1	1	21	163

EVERTON HOSPITAL.

OCCUPATIONS.	St. Peter's.	Everton and Kirkdale.	Total.
Tradesmen	1	2	3
Males	1	1	2
Females	...	1	1
Total	1	2	3

KIRKDALE HOSPITAL.

OCCUPATIONS.	WARDS.						Total.
	Scotland	Vauxhall	E'change	Pitt Street	Gt. George	Un-known	
Labourers	2	1	...	1	...	...	4
Tradesmen	...	...	.	...	...	1	1
Seamen	1	...	1	...	1	...	3
Males	1	1	1	1	1	1	6
Females	2	...	...	...	...	...	2
Total	3	1	1	1	1	1	8

UNION WORKHOUSE.

OCCUPATIONS.	WARDS.			Total.
	Everton and Kirkdale.	West Derby.	Unknown.	
Labourers	22	14	8	44
Tradesmen	23	2	1	26
Servants	4	3	...	7
Seamen	3	...	3	6
Profession (Resident Surgeon)	1	...	...	1
Males	30	9	7	46
Females	23	10	5	38
Total	53	19	12	84

Occupations of Persons who (either themselves or members of their family) have died from Typhus and Infantile Fever in the different Wards of the Borough during the Year 1871. (Not included in the foregoing Tables of Deaths in Workhouses and Hospitals.)

OCCUPATIONS.	WARDS.															TOTAL.
	Scotland.	Vauxhall.	St. Paul's.	Exchange.	St. Anne's.	Lime Street.	Castle Street.	St. Peter's.	Pitt Street.	Great George.	Rodney Street.	Abercromby.	Everton and Kirkdale.	West Derby.	North Toxteth.	South Toxteth.	
Labourers	64	15	3	2	13	1	...	1	2	15	2	3	34	4	16	13	188
Tradesmen	31	4	4	3	20	6	1	2	1	6	4	14	52	21	16	20	205
Servants	1	...	1	...	2	1	...	...	...	...	2	..	3	1	...	...	11
Seamen	4	1	1	...	1	...	...	...	...	3	1	1	13	1	2	4	32
Soldiers	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1
Professions and Mercantile	...	...	...	...	...	1	...	...	...	...	2	1	...	...	...	...	4
Unknown	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2
Males	56	10	4	2	17	4	...	3	2	12	6	12	46	13	17	14	218
Females	45	10	5	3	19	5	1	...	1	12	5	7	56	14	18	24	225
Total	101	20	9	5	36	9	1	3	3	24	11	19	102	27	35	38	443

TOXTETH WORKHOUSE.

Not inculded in the Mortality of the Borough, being beyond the Municipal Boundaries.

OCCUPATIONS.	WARDS.		TOTAL.
	North Toxteth.	South Toxteth.	
Labourers	4	14	18
Tradesmen	7	13	20
Servants	1	1	2
Seamen	1	5	6
Soldiers	...	1	1
Males	7	15	22
Females	6	19	25
Total	13	34	47

RELAPSING FEVER.

Relapsing Fever occasioned 207 deaths, or 113 in the Parish, and 94 in the Out-Townships. The rate of its mortality was equal to 0·4 per 1000 of the estimated population of the Borough; its per-centage rate relatively to deaths from all causes was 1·2, and relatively to deaths from Zymotic diseases was 3·3.

DEATHS FROM RELAPSING FEVER.

WARDS.		Quarters. March. M.	March. F.	June. M.	June. F.	Sept. M.	Sept. F.	Dec. M.	Dec. F.	Year. M.	Year. F.	Total.
Scotland	Below 5 years...	2	5	...	...	...	...	1	...	3	5	8
	Above 5 years...	3	9	1	2	2	1	1	2	7	14	21
Vauxhall	Below 5 years...	3	3	...	...	...	...	...	...	3	3	6
	Above 5 years...	5	4	...	1	...	...	...	1	5	6	11
St. Paul's	Below 5 years...	...	...	...	1	...	...	...	...	...	1	1
	Above 5 years...	1	3	...	1	...	...	...	...	1	4	5
Exchange	Below 5 years...	...	1	...	...	...	...	...	...	...	1	1
	Above 5 years...	3	3	1	...	...	...	1	1	5	4	9
St. Anne's	Below 5 years...	1	...	...	...	...	...	...	...	1	...	1
	Above 5 years...	...	1	...	...	...	1	...	...	...	2	2
Lime Street	Below 5 years...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years...	1	...	1	...	...	...	...	...	2	...	2
Castle Street	Below 5 years...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
St. Peter's	Below 5 years...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years...	...	...	...	1	...	...	...	...	...	1	1
Pitt Street	Below 5 years...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Great George	Below 5 years...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years...	...	1	...	1	1	1	...	...	1	3	4
Rodney Street	Below 5 years...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years...	1	1	...	...	...	...	...	...	1	1	2
Abercromby	Below 5 years...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years...	...	...	...	...	...	...	...	1	...	1	1
Parish Workhouses and Hospitals	Below 5 years...	...	...	...	1	...	...	...	...	...	1	1
	Above 5 years...	6	7	5	6	1	1	6	5	18	19	37
Out-Townships, Workhouses and Hospitals.	Below 5 years...	1	...	...	...	...	...	...	2	1	2	3
	Above 5 years...	25	19	...	...	...	...	1	4	26	23	49
Everton and Kirkdale	Below 5 years...	1	...	...	...	...	...	...	...	1	...	1
	Above 5 years...	1	3	...	...	...	...	4	2	5	5	10
West Derby	Below 5 years...	...	...	...	...	1	...	...	...	1	...	1
	Above 5 years...	...	...	...	...	...	2	...	1	...	3	3
North Toxteth	Below 5 years...	...	1	...	...	...	...	...	...	...	1	1
	Above 5 years...	3	5	3	1	...	...	...	1	6	7	13
South Toxteth	Below 5 years...	...	...	...	1	...	...	1	1	1	2	3
	Above 5 years...	2	5	...	1	1	...	1	...	4	6	10
Parish	Below 5 years...	6	9	...	2	...	...	1	..	7	11	18
	Above 5 years...	20	29	8	12	4	4	8	10	40	55	95
Out-Townships	Below 5 years...	2	1	...	1	1	...	1	3	4	5	9
	Above 5 years...	31	32	3	2	1	2	6	8	41	44	85
Borough	Below 5 years...	8	10	...	3	1	...	2	3	11	16	27
	Above 5 years...	51	61	11	14	5	6	14	18	81	99	180

List of Streets in the Borough wherein Three or more Deaths from Relapsing Fever occurred during 1871.

Streets in the Parish.	Houses.		Total.	Streets in the Parish.	Houses.		Total.
	Front.	Court.			Front.	Court.	
Addison	...	4	4	Northampton	...	3	3
Adlington	3	1	4	Paul	2	4	6
Brick	2	1	3	Saltney	...	3	3
Burlington	1	3	4	Smithfield	...	3	3
Cherry Lane	3	...	3	Standish	3	...	3
Ennerdale	2	1	3				
Harrison	2	1	3	Streets in the Out Townships.			
Hornby	1	3	4				
Johnson	3	...	3	Darnley	...	4	4
Milton	1	2	3	Gore	1	3	4
Naylor	2	1	3	Mann	2	1	3

SCARLATINA.

Scarlatina accounted during the year for 630 deaths, or for 222 in the Parish, and 408 in the Out-townships. The rate of its mortality was equal to 1·2 per 1,000 per annum of the estimated population. Its rate relatively to deaths from all causes was 3·6 per cent. in the first quarter, 3·6 in the second, 3·2 in the third, and 4·0 in the fourth quarter of the year; its annual rate relatively to all deaths was 3·6 per cent.

The first of the following tables gives a statistical history of the mortality of Scarlatina during the year 1871; the second is a record of the streets of the Borough wherein 3 or more deaths occurred from that disease.

Wards.		Quarters.								Year.		
		March.		June.		Sept.		Dec.				
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Total.
Scotland	Below 5 years...	17	6	4	7	10	6	15	8	46	27	73
	Above 5 years...	1	1	1	...	1	3	3	1	6	5	11
Vauxhall	Below 5 years...	...	1	2	1	1	1	1	2	4	5	9
	Above 5 years...	...	...	1	1	1	...	1	...	3	1	4
St. Paul's	Below 5 years...	...	...	...	...	1	...	...	...	1	...	1
	Above 5 years...	...	...	...	1	...	...	...	...	...	1	1
Exchange	Below 5 years...	2	...	...	2	1	2	...	1	3	5	8
	Above 5 years...	...	...	...	...	1	...	1	...	2	...	2
St. Anne's	Below 5 years...	8	3	2	1	4	4	3	...	17	8	25
	Above 5 years...	1	...	...	2	1	2	...	1	2	5	7
Lime Street	Below 5 years...	2	...	2	2	1	2	...	...	5	4	9
	Above 5 years...	1	...	1	1	...	...	...	...	2	1	3
Castle Street	Below 5 years...	...	...	1	...	...	...	...	...	1	...	1
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
St. Peter's	Below 5 years...	...	...	1	1	...	1	...	1	1	3	4
	Above 5 years...	...	1	...	...	...	...	...	1	...	2	2
Pitt Street	Below 5 years...	1	1	2	...	2	1	...	...	5	2	7
	Above 5 years...	...	...	1	...	...	...	...	...	1	...	1
Great George	Below 5 years...	3	2	5	4	1	...	1	1	10	7	17
	Above 5 years...	3	...	...	...	...	...	1	...	4	...	4
Rodney Street	Below 5 years...	4	1	4	1	1	...	2	3	11	5	16
	Above 5 years...	1	1	...	...	...	1	...	...	1	2	3
Abercromby	Below 5 years...	...	2	1	4	1	...	1	1	3	7	10
	Above 5 years...	...	...	...	...	...	1	...	...	...	1	1
Parish Workhouses and Hospitals	Below 5 years...	...	...	...	...	..	...	1	...	1	...	1
	Above 5 years...	...	...	...	1	...	...	...	1	...	2	2
Out Townships Workhouses and Hospitals.	Below 5 years...	1	...	...	...	...	...	1	1	2	1	3
	Above 5 years...	1	2	2	2	1	1	...	1	4	6	10
Everton and Kirkdale	Below 5 years...	12	27	11	10	15	19	26	11	64	67	131
	Above 5 years...	3	5	8	2	6	3	5	6	22	16	38
West Derby	Below 5 years...	15	15	10	8	2	5	8	8	35	36	71
	Above 5 years...	2	1	1	1	2	1	...	2	5	5	10
North Toxteth	Below 5 years...	16	13	4	9	2	4	6	9	28	35	63
	Above 5 years...	4	4	1	2	1	1	1	...	7	7	14
South Toxteth	Below 5 years...	7	10	5	7	4	2	5	3	21	22	43
	Above 5 years...	4	6	5	4	3	1	1	1	13	12	25
Parish	Below 5 years...	37	16	24	23	23	17	24	17	108	73	181
	Above 5 years...	7	3	4	6	4	7	6	4	21	20	41
Out Townships	Below 5 years...	51	65	30	34	23	30	46	32	150	161	311
	Above 5 years...	14	18	17	11	13	7	7	10	51	46	97
Borough	Below 5 years...	88	81	54	57	46	47	70	49	258	234	492
	Above 5 years...	21	21	21	17	17	14	13	14	72	66	138

List of Streets in the Borough wherein Three or more Deaths from Scarlatina occurred in 1871.

Streets in the Parish.	Houses.		Total.	Streets in the Out Townships.	Houses		Total.
	Front.	Court.			Front.	Court.	
Athol	3	...	3	Carter	3	...	3
Back Portland	4	1	5	Clive	1	3	4
Birchfield	4	...	4	Crow	3	...	3
Blenheim	...	3	3	Dinorben	3	...	3
Bond	2	1	3	Grafton	2	2	4
Bridgewater	3	...	3	Great Homer	3	1	4
Burlington	2	2	4	Jackson	3	...	3
Duke	3	1	4	Lancaster	6	...	6
Falkner	3	1	4	Lodge Lane	4	...	4
Gerard	3	...	3	Louisa	3	...	3
Hornby	...	5	5	Lydiate	3	...	3
Huskisson	3	...	3	Mann	2	4	6
Lowther	3	...	3	Mason	2	2	4
Naylor	2	1	3	Northumberland	1	2	3
Penrhyn	1	3	4	Paddington	3	...	3
Portland	2	1	3	Park Road	4	...	4
Richmond Row	2	3	5	Prophet	1	3	4
Rose Place	1	2	3	Robsart	2	2	4
Scotland Road	1	2	3	Sophia	2	1	3
Townsend	4	...	4	Sherdley	3	...	3
Upper Frederick	4	3	7	Victoria	4	...	4
				Whitefield Lane	3	...	3
Streets in the Out-Townships.				Wolfe	5	1	6
Aspinall	4	...	4				
Barlow	3	...	3				

MEASLES

Occasioned 473 deaths, of which 261 occurred in the Parish, and 212 in the Out-townships. Its per-centage death-rate relatively to deaths from all causes was 3·2 in the first quarter of the year, 3·7 in the second, 2·1 in the third, and 1·3 in the fourth; its annual per-centage rate relatively to deaths from all causes was 2·7, and relatively to deaths from Zymotic causes 7·6.

WARDS.		Quarters. March M.	March F.	June M.	June F.	Sept. M.	Sept. F.	Dec. M.	Dec. F.	Year. M.	Year. F.	Total.
Scotland	Below 5 years	11	10	4	5	2	5	7	6	24	26	50
	Above 5 years	1	...	...	1	...	...	...	1	1	2	3
Vauxhall	Below 5 years	3	2	4	2	1	1	...	...	8	5	13
	Above 5 years	...	...	...	...	...	...	...	...	...	...	...
St. Paul's	Below 5 years	3	4	2	4	...	...	..	...	5	8	13
	Above 5 years	...	...	...	...	...	...	...	...	...	...	...
Exchange	Below 5 years	1	...	2	1	...	...	...	...	3	1	4
	Above 5 years	...	...	...	...	...	...	...	...	...	...	...
St. Anne's	Below 5 years	6	7	2	3	3	...	...	1	11	11	22
	Above 5 years	...	...	1	1	...	...	...	...	1	1	2
Lime Street	Below 5 years	7	4	4	4	2	1	1	...	14	9	23
	Above 5 years	...	...	...	1	...	...	...	...	...	1	1
Castle Street	Below 5 years	1	...	1	3	...	1	...	...	2	4	6
	Above 5 years	...	...	...	...	...	...	...	...	...	...	...
St. Peter's	Below 5 years	1	3	6	2	...	...	...	...	7	5	12
	Above 5 years	...	...	...	...	...	...	...	...	...	...	...
Pitt Street	Below 5 years	5	2	1	1	...	...	...	...	6	3	9
	Above 5 years	...	...	...	...	...	...	...	...	...	...	...
Great George	Below 5 years	2	2	2	5	1	...	...	...	5	7	12
	Above 5 years	1	...	...	...	...	...	...	...	1	...	1
Rodney Street	Below 5 years	10	6	3	6	1	2	...	...	14	14	28
	Above 5 years	1	1	...	...	...	...	...	...	1	1	2
Abercromby	Below 5 years	1	4	8	9	2	1	...	1	11	15	26
	Above 5 years	...	1	...	...	...	...	...	...	...	1	1
Parish Workhouses and Hospitals	Below 5 years	12	12	1	1	...	1	1	3	14	17	31
	Above 5 years	1	...	...	...	...	...	...	1	1	1	2
Out Township Workhouses and Hospitals	Below 5 years	3	5	...	...	...	...	...	...	3	5	8
	Above 5 years	...	...	...	...	...	..	...	...	...	...	...
Everton and Kirkdale	Below 5 years	11	6	12	20	15	14	6	4	44	44	88
	Above 5 years	1	1	3	...	1	...	1	...	6	1	7
West Derby	Below 5 years	2	2	5	3	13	10	7	3	27	18	45
	Above 5 years	1	...	...	...	...	...	...	...	1	...	1
North Toxteth	Below 5 years	7	6	5	7	1	1	1	2	14	16	30
	Above 5 years	...	...	...	...	...	1	...	...	...	1	1
South Toxteth	Below 5 years	10	6	2	8	1	...	1	2	14	16	30
	Above 5 years	...	...	...	1	...	1	...	...	...	2	2
Parish	Below 5 years	63	56	40	46	12	12	9	11	124	125	249
	Above 5 years	4	2	1	3	...	...	...	2	5	7	12
Out Townships	Below 5 years	33	25	24	38	30	25	15	11	102	99	201
	Above 5 years	2	1	3	1	1	2	1	...	7	4	11
Borough	Below 5 years	96	81	64	84	42	37	24	22	226	224	450
	Above 5 years	6	3	4	4	1	2	1	2	12	11	23

DIARRHŒA.

Accounted for 1127 deaths, or for 594 in the Parish, and 533 in the Out-townships. Its per-centage death-rate relatively to deaths from all causes was 0·9 in the first quarter of the year, 1·5 in the second, 22·1 in the third, and 4·1 in the fourth quarter of the year. Its annual per-centage death-rate relatively to deaths from all causes was 6·4 and relatively to deaths from Zymotic causes 18·2.

WARDS.		Quarters.								Year.		
		March.		June.		Sept.		Dec.				
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Total.
Scotland	Below 5 years...	1	2	5	4	86	84	22	15	114	105	229
	Above 5 years...	...	2	1	...	5	5	2	3	8	10	18
Vauxhall	Below 5 years...	...	1	1	3	23	22	3	7	27	33	60
	Above 5 years...	...	1	...	...	...	1	1	2	1	4	5
St. Paul's	Below 5 years...	...	1	...	1	8	9	3	1	11	12	23
	Above 5 years...	...	...	...	1	2	1	...	...	2	2	4
Exchange	Below 5 years...	...	...	...	...	9	11	2	...	11	11	22
	Above 5 years...	...	...	1	1	1	...	...	...	2	1	3
St. Anne's	Below 5 years...	1	2	3	2	23	21	2	4	29	29	58
	Above 5 years...	...	...	...	...	2	...	...	...	2	...	2
Lime Street	Below 5 years...	...	...	...	1	14	9	1	1	15	11	26
	Above 5 years...	...	...	...	...	1	3	...	...	1	3	4
Castle Street	Below 5 years...	1	...	...	...	...	...	...	...	1	...	1
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
St. Peter's	Below 5 years...	...	1	...	...	6	4	...	...	6	5	11
	Above 5 years...	...	...	...	...	...	...	1	...	1	...	1
Pitt Street	Below 5 years...	...	1	...	...	6	2	...	...	6	3	9
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Gt. George	Below 5 years...	...	...	1	1	17	14	2	1	20	16	36
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Rodney Street	Below 5 years...	1	...	...	2	4	2	1	...	6	4	10
	Above 5 years...	...	...	...	...	1	3	...	...	1	3	4
Abercromby	Below 5 years...	...	...	1	1	10	12	...	2	11	15	26
	Above 5 years...	...	...	...	...	...	2	1	1	1	3	4
Parish Workhouse and Hospitals	Below 5 years...	1	8	1	2	4	2	2	2	8	14	22
	Above 5 years...	3	4	1	1	3	5	2	7	9	17	26
Out Townships Workhouse and Hospitals..	Below 5 years...	...	...	1	...	...	...	1	...	2	...	2
	Above 5 years...	...	...	...	...	...	...	1	...	1	...	1
Everton and Kirkdale...	Below 5 years...	3	1	5	5	126	103	19	7	153	116	269
	Above 5 years...	1	...	1	...	5	12	...	3	7	15	22
West Derby	Below 5 years...	3	3	1	2	30	26	6	7	40	38	78
	Above 5 years...	...	...	...	...	1	2	...	..	1	2	3
North Toxteth	Below 5 years...	1	4	...	4	26	31	3	7	30	46	76
	Above 5 years...	1	1	1	...	1	3	1	...	4	4	8
South Toxteth	Below 5 years...	2	1	3	6	27	24	5	1	37	32	69
	Above 5 years...	...	...	...	...	3	2	...	...	3	2	5
Parish	Below 5 years...	5	16	12	17	210	192	38	33	265	258	523
	Above 5 years...	3	7	3	3	15	20	7	13	28	43	71
Out Townships	Below 5 years...	9	9	10	17	209	184	34	22	262	232	494
	Above 5 years...	2	1	2	...	10	19	2	3	16	23	39
Borough	Below 5 years...	14	25	22	34	419	376	72	55	527	490	1017
	Above 5 years...	5	8	5	3	25	39	9	16	44	66	110

List of Streets in the Borough of Liverpool wherein Three or more Deaths from Diarrhœa occurred during the Year 1871.

Streets in the Parish.	Houses. Front.	Houses. Court.	Total.
Addison	2	1	3
Adlington	1	2	3
Athol	6	...	6
Back Portland	3	1	4
Beau	1	3	4
Blandford	3	2	5
Bond	1	3	4
Bostock	5	1	6
Burlington	1	8	9
Cavendish	2	1	3
Cazneau	3	2	5
Chisenhale	1	3	4
Circus	2	1	3
Clement	3	...	3
Collingwood	3	3	6
Duke	4	...	4
Eldon	2	2	4
Ford	...	3	3
Gascoyne	1	3	4
Gay	2	1	3
Gildart's Gardens	3	...	3
Great Howard	5	...	5
Highfield	3	1	4
Hopwood	6	1	7
Hornby	3	7	10
Kew	5	4	9
Limekiln Lane	2	1	3
Newsham	2	2	4
Norfolk	3	2	5
Oriel	...	4	4
Paul	2	4	6
Penrhyn	4	...	4
Portland	2	1	3
Rachel	1	2	3
Ray	1	2	3
Raymond	3	...	3
Richmond Row	1	6	7
Rose Place	3	2	5
Saltney	...	3	3
Scotland Road	5	...	5
Tenterden	4	...	4
Thomas	1	2	3
Upper Milk	3	1	4
Vauxhall Road	3	...	3
Virgil	1	2	3
Walnut	3	...	3
Westmoreland	2	1	3
Whitley	...	3	3
Woodstock	2	2	4

Streets in the Out Townships.	Houses. Front.	Houses. Court.	Total.
Arkwright	6	...	6
Aspinall	3	...	3
Beaufort	3	...	3
Blair	...	3	3
Boundary	3	5	8
Brasenose Road	3	...	3
Brindley	3	5	8
Brisbane	4	...	4
Buckingham	5	...	5
Candia	4	...	4
Coburg	3	...	3
Combermere	1	5	6
Edinburgh	5	...	5
Elias	3	...	3
Field	4	...	4
Gordon	4	...	4
Grafton	3	1	4
Great Homer	1	2	3
Haddon	3	...	3
Harding	3	...	3
Henderson	2	2	4
Howe	3	...	3
Lamport	4	...	4
Low Hill	3	...	3
Mann	...	4	4
Netherfield Road North	6	...	6
Opie	4	...	4
Park	3	...	3
Park Road	3	..	3
Prince Edwin	4	5	9
Prince William	...	3	3
Richmond Fair	5	...	5
Robsart	2	1	3
Rose Vale	3	1	4
Saint Domingo Road	4	...	4
Salisbury	3	...	3
Solway	3	...	3
Stitt	5	...	5
Upper Beau	3	...	3
Victoria	4	...	4
Whitefield Lane	3	...	3
Whittle	3	...	3
Wolfe	4	...	4

DIARRHŒA IN DATES OF DEATH, 1871.

Date. June.	No. of Deaths.	Mean Reading of Barometer.	Mean Temperature.	Rain. Amount in inches.	Rain. Hours.	Rain. Days.	Wind. Mean Daily Velocity in Miles.	Wind. Direction.
1	1	30·123	53·2	...	...	...	312	WNW & Var.
2	...	30·240	48·9	...	...	...	290	E & Var
3	1	30·265	52·3	0·02	1·4	1	365	Var & NW
4	1	30·119	50·7	0·01	0·4	1	252	Var & NE
5	1	30·251	55·1	...	...	...	233	ENE & NNW
6	1	30·151	52·4	...	...	...	384	WNW & NW
7	...	30·085	53·1	...	...	...	454	NNE & NW
8	...	30·025	51·3	...	...	...	319	Var
9	...	30·033	53·4	...	...	...	187	NE & NW
10	1	30·013	57·5	...	...	...	197	ESE & Var
11	3	29·985	56·2	...	...	...	334	ESE & SE
12	2	30·034	58·2	...	...	...	353	ESE & ES
13	1	29·894	58·5	0·02	0·5	1	514	E & ESE
14	...	29·864	64·6	0·07	3·5	1	324	SE & SSE
15	...	29·861	60·0	0·49	7·6	1	118	Var & WSW
16	...	29·804	61·2	...	...	...	216	W & NNW
17	...	29·665	58·4	0·20	3·5	1	168	NW & WNW
18	1	29·519	58.5	0.31	4·0	1	134	W & Var
19	1	29·548	57·4	0·40	3·8	1	144	SW & NW
20	2	29·677	58·8	0·12	0·7	1	449	WNW
21	1	29·874	56·4	...	...	...	245	Var & WNW
22	...	29·919	50·3	0·59	15·0	1	434	ESE & E
23	3	30·006	48·9	...	...	...	427	ENE & NE
24	3	30·192	53·4	0·06	0·7	1	257	NE & NNW
25	1	30·246	53·5	...	...	...	307	Var & NW
26	2	30·281	56 6	...	...	...	158	Var & NW
27	...	30·048	61·2	0·06	0·7	1	185	S W& SSE
28	1	29·764	57·8	...	...	...	696	Var & W
29	2	29·764	59·6	...	...	...	343	WSW £ SSE
30	2	29·705	59·7	0·02	1·5	1	394	SW & SSW

DIARRHŒA IN DATES OF DEATH, 1871.

Date. July.	No. of Deaths.	Mean Reading of Barometer.	Mean Temperature.	Rain. Amount in inches.	Rain. Hours.	Rain. Days.	Wind. Mean Daily Velocity in Miles.	Wind. Direction.
1	...	29·836	60·3	0.16	2.5	1	324	SSE & S
2	1	29·759	58·8	0·10	4·5	1	305	SSE & SE
3	...	29·599	58·8	0·07	4·5	1	211	ENE & WNW
4	...	29·685	57·1	0.54	3·4	1	298	SSE & WSW
5	1	29·870	59·4	0·08	1·6	1	634	WSW & W
6	3	30·050	61·3	0·11	2·8	1	492	Var & SW
7	2	29·937	62·8	0·20	3·7	1	326	SSE & Var
8	1	29·773	59·6	0·22	1·9	1	458	SW & WSW
9	1	29·891	59·2	0·03	0·6	1	437	SSW
10	...	29·919	58·3	0·76	12·9	1	197	SW & Var
11	1	29·846	57·9	...	...	...	403	NNE & WNW
12	3	29·854	59·3	0·04	2·8	1	343	W & SSE
13	4	29·769	65·6	0·03	1·2	1	305	SSW & S
14	3	29·853	64·1	0·05	0·7	1	329	SSE & SW
15	2	29·932	64·4	...	...	...	456	SW
16	5	30·102	66·4	...	...	...	276	W & NW
17	1	30·059	61·4	0·12	3·3	1	355	Var & W
18	3	30·080	60·2	0·01	0·3	1	226	W & NW
19	1	29·806	59·0	0·06	2·4	1	182	SSE & Var
20	2	29·955	58·8	0·03	1·4	1	569	WNW & W
21	6	29·848	59·7	0·17	3·7	1	319	SSE & SW
22	2	29·609	61·7	0·06	1·3	1	398	WSW & SW
23	2	29·599	60·0	0·04	0.4	1	552	WSW & W
24	8	29·585	58·0	0·25	2·5	1	559	W & Var
25	4	29·381	56·1	0·18	2·0	1	730	W & WSW
26	1	29·368	57·8	0·03	0·3	1	787	WSW & W
27	3	29·711	59·7	0·01	0·8	1	336	W & WNW
28	4	29·809	58·7	0.28	2·2	1	430	SSE & SW
29	4	29·715	56·6	0·04	3·3	1	288	Var
30	9	29·668	57·1	0·10	0·5	1	269	SSE & W
31	5	29·978	56·4	...	...	...	317	W & WNW

DIARRHŒA IN DATES OF DEATH, 1871.

Date. August.	No. of Deaths.	Mean Reading of Barometer.	Mean Temperature.	RAIN. Amount in inches.	RAIN. Hours.	RAIN. Days.	WIND. Mean Daily Velocity in Miles.	WIND. Direction.
1	4	30·044	62·3	...	...	...	226	S & Var
2	6	29·947	63·3	...	...	...	166	S & Var
3	4	29·692	60·8	...	...	...	379	SSW & SW
4	4	29·756	58·2	...	...	...	732	W
5	7	30·063	63·9	...	...	...	499	W & WSW
6	1	30·231	61·7	...	...	...	365	W & NW
7	4	30·179	69·1	...	...	...	221	NW & SE
8	10	30·112	68·9	...	...	...	288	SE & ESE
9	7	30·143	68·6	...	...	...	175	SE & NNW
10	12	30·125	72·4	...	...	...	154	Var
11	12	30·123	66·8	...	...	...	146	Var & NW
12	9	30·098	69·6	...	...	...	120	WNW & NW
13	15	30·054	66·6	...	...	...	235	Var
14	11	30·017	67·3	...	...	...	250	E
15	13	30·001	64·0	...	...	...	247	SE & WNW
16	20	30·000	62·1	0·05	1·0	1	180	NW
17	16	29·801	62·3	0·14	4·6	1	240	Var & ESE
18	18	29·453	61·2	0·18	2·1	1	552	ESE & W
19	19	29·859	60·0	0·06	1·6	1	590	W
20	27	29·891	61·6	0.12	1.5	1	473	SE & SSE
21	20	30·037	56·1	...	...	...	480	W &WNW
22	21	30·076	63·5	0·01	0·4	1	242	SE & Var
23	25	29·861	62·2	0·11	3·3	1	415	S & SW
24	16	29·630	60·9	0·46	4·0	1	715	SSW & WSW
25	20	29·803	59·5	0·01	0·3	1	684	W & SW
26	21	30·061	58·2	...	...	...	919	WSW & W
27	22	30·408	59·5	...	...	...	466	W &WNW
28	16	30·415	61·7	...	...	...	187	Var & ESE
29	16	30.163	62·0	...	...	...	420	ESE
30	15	29·997	67·2	...	...	...	319	ESE & Var
31	19	29·974	63·6	0·04	0·4	1	146	WSW & Var

DIARRHŒA IN DATES OF DEATH, 1871.

Date. Sept.	No. of Deaths.	Mean Reading of Barometer.	Mean Temperature.	RAIN.			WIND.	
				Amount in inches.	Hours.	Days.	Mean Daily Velocity in Miles.	Direction.
1	12	30·044	61·5	0·20	9·1	1	254	SE & WNW
2	13	30·057	61·0	...	...	...	120	SSE & NW
3	10	29·818	60·4	0·23	2·3	1	269	SSW & S
4	10	29·753	59·0	0·10	2·3	1	235	Var & WNW
5	13	30·035	57·5	...	...	...	286	WSW & Var
6	15	30·034	60·5	0·33	4·3	1	233	S & Var
7	17	29.945	57·2	...	...	...	269	WS & Var
8	11	29·857	61·1	0·03	1·0	1	334	SE & ESE
9	13	29·693	55·2	0·13	3·3	1	271	ENE & SE
10	12	29·875	62·9	...	...	...	602	E
11	16	30·040	61.9	...	...	...	403	ENE
12	11	30·239	58·9	...	...	...	319	ENE & NE
13	14	30·353	56·2	...	...	...	331	NE
14	16	30·365	55·2	...	...	...	360	ENE & E
15	12	30·297	57·4	...	...	...	264	ENE & E
16	14	30·300	58·3	...	...	...	346	ESE & E
17	12	30·298	52·5	...	...	...	360	ENE &E
18	18	30·223	49·0	...	...	...	149	E & ENE
19	13	30·119	50·9	...	...	...	156	ESE & SE
20	12	29·907	53·5	0·22	5·5	1	168	SE & Var
21	11	29·642	52·7	0·12	1·7	1	449	W & WNW
22	13	29·706	50·6	0·34	2·2	1	845	W & WSW
23	4	29·780	52·5	0.05	0.8	1	293	WSW & Var
24	10	29·595	46·0	0·32	7·8	1	295	Var
25	6	29·750	49·6	...	...	...	331	Var & ENE
26	10	29·657	51·0	0·14	3·2	1	530	ENE
27	5	29·235	49·6	0·78	10·1	1	706	ENE & NE
28	7	29·438	47·8	...	...	...	290	NNW & N
29	5	29·807	46·0	0·90	13·7	1	391	Var & ENE
30	11	29·792	49·9	0·06	1.1	1	300	Var

DIARRHŒA IN DATES OF DEATH, 1871.

Date. October.	No. of Deaths.	Mean Reading of Barometer.	Mean Temperature.	RAIN. Amount in inches.	RAIN. Hours.	RAIN. Days.	WIND. Mean Daily Velocity in Miles.	WIND. Direction.
1	5	29·163	52·9	0·38	2·8	1	444	Var & W
2	1	29·252	52·6	0·67	5·6	1	485	WNW & W
3	6	29·421	48·0	...	...	...	343	W & ENE
4	2	29·729	51·1	...	...	...	247	Var & SSE
5	4	29·717	53·3	0·02	0·7	1	406	S & SSW
6	3	29·676	49·6	1·11	14·8	1	300	SSW & Var
7	4	29·660	50·7	0·03	0·5	1	432	WNW & W
8	3	29·938	47·4	...	...	...	583	WNW
9	4	30.253	45·5	...	...	...	144	NE & Var
10	1	30·393	46·3	...	...	...	334	SE & ESE
11	1	30·213	47·5	...	...	...	370	ESE & SE
12	5	30·363	48·2	...	...	...	374	ESE & SSE
13	...	30·349	49·6	...	...	...	336	SE & SSE
14	4	30·154	49·5	0·20	3·7	1	394	SSE & SE
15	8	29·990	53·1	0·01	0·5	1	302	SE & Var
16	6	29·919	55·9	0·21	6·6	1	221	SW & Var
17	4	29·876	56·9	0·01	0·5	1	286	SE & Var
18	2	29·764	58·2	0·14	2·5	1	487	ESE & SE
19	1	29·592	53·3	0·96	18·1	1	242	SE & WNW
20	4	29·841	48·6	...	...	...	290	W & WNW
21	2	29·867	50·1	0·41	3·8	1	574	SSE & W
22	...	30·233	50·7	...	...	...	463	W & Var
23	2	30·238	49·3	0·04	3·0	1	307	SSE & Var
24	1	30·240	48·6	0·01	1·0	1	271	SSE & NW
25	4	30·342	53·8	...	...	...	216	WSW & SW
26	...	30·184	56·3	...	...	...	362	SW
27	2	29·884	53·0	0·17	4·9	1	415	SSW
28	1	29·695	49·0	0·37	14·2	1	247	SSE & SE
29	1	29·489	47·7	0·39	9·6	1	542	ESE & Var
30	...	29·635	47·4	0·09	2·9	1	444	ESE & E
31	2	29·878	47·1	...	...	...	607	ENE

HOOPING COUGH

Occasioned 519 deaths, or 239 in the Parish, and 280 in the Out-Townships. Its per centage death-rate relatively to deaths from all causes was 2·9, and relatively to deaths from Zymotic causes 8.4.

DEATHS FROM HOOPING COUGH.

WARDS.		Quarters. March. M.	March. F.	June. M.	June. F.	Sept. M.	Sept. F.	Dec. M.	Dec. F.	Year. M.	Year. F.	Total.
Scotland	Below 5 years...	10	17	5	14	6	8	2	8	23	47	70
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Vauxhall	Below 5 years...	4	7	2	1	...	2	...	1	6	11	17
	Above 5 years...	...	...	1	...	...	...	...	...	1	...	1
St. Paul's	Below 5 years...	4	6	...	3	1	...	1	...	6	9	15
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Exchange	Below 5 years...	2	1	1	...	...	...	2	2	5	3	8
	Above 5 years...	...	...	...	...	...	...	...	1	...	1	1
St. Anne's	Below 5 years...	10	7	2	3	6	3	3	4	21	17	38
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Lime Street	Below 5 years...	3	7	1	...	...	...	1	3	5	10	15
	Above 5 years...	...	...	...	...	...	...	..	...	...	...	...
Castle Street	Below 5 years...	...	...	..	...	...	...	...	...	..	...	...
	Above 5 years...	...	...	1	...	...	..	...	...	1	...	1
St. Peter's	Below 5 years...	1	2	1	1	...	1	1	3	3	7	10
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Pitt Street	Below 5 years...	...	3	...	3	2	4	...	1	2	11	13
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Great George	Below 5 years...	1	5	4	5	2	5	4	3	11	18	29
	Above 5 years...	...	...	...	...	..	...	...	...	...	...	...
Rodney Street	Below 5 years...	1	3	...	2	...	2	...	2	1	9	10
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Abercromby	Below 5 years...	2	1	...	...	...	...	...	1	2	2	4
	Above 5 years...	...	1	...	...	...	...	...	...	...	1	1
Parish Workhouses and Hospitals	Below 5 years...	...	...	...	1	...	4	...	1	...	6	6
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Out Township Workhouses and Hospitals	Below 5 years...	...	...	..	...	...	...	...	...	...	...	...
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Everton and Kirkdale	Below 5 years...	32	32	16	14	10	10	11	12	69	68	137
	Above 5 years...	1	3	1	...	...	...	...	...	2	3	5
West Derby	Below 5 years...	2	4	2	2	2	3	16	10	22	19	41
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
North Toxteth	Below 5 years...	4	8	12	11	2	4	4	5	22	28	50
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
South Toxteth	Below 5 years...	6	5	3	13	5	5	...	7	14	30	44
	Above 5 years...	...	2	...	...	...	...	1	..	1	2	3
Parish	Below 5 years...	38	59	16	33	17	29	14	29	85	150	235
	Above 5 years...	...	1	2	...	...	..	...	1	2	2	4
Out Townships	Below 5 years...	44	49	33	40	19	22	31	34	127	145	272
	Above 5 years...	1	5	1	...	..	..	1	...	3	5	8
Borough	Below 5 years...	82	108	49	73	36	51	45	63	212	295	507
	Above 5 years...	1	6	3	...	...	...	1	1	5	7	12

DEATHS FROM CROUP.

WARDS.		Quarters. March. M.	March. F.	June. M.	June. F.	Sept. M.	Sept. F.	Dec. M.	Dec. F.	Year. M.	Year. F.	Total.
Scotland	Below 5 years...	4	9	3	1	3	2	6	7	16	19	35
	Above 5 years...	...	...	...	1	...	1	...	1	...	3	3
Vauxhall	Below 5 years...	...	2	1	1	...	...	...	1	1	4	5
	Above 5 years...	...	...	...	...	...	1	...	...	...	1	1
St. Paul's	Below 5 years...	1	1	...	...	1	...	1	...	3	1	4
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Exchange	Below 5 years...	...	1	...	...	..	1	...	2	...	4	4
	Above 5 years...	...	...	...	...	1	...	...	...	1	...	1
St. Anne's	Below 5 years...	5	...	2	1	1	2	1	3	9	6	15
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Lime Street	Below 5 years...	...	1	1	...	...	...	3	..	4	1	5
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Castle Street	Below 5 years...	...	...	...	...	...	1	...	...	...	1	1
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
St. Peter's	Below 5 years...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Pitt Street	Below 5 years...	...	1	...	...	1	...	1	...	2	1	3
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Great George	Below 5 years...	...	...	...	1	...	1	...	...	...	2	2
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Rodney Street	Below 5 years...	...	...	...	1	...	...	...	1	...	2	2
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Abercromby	Below 5 years...	...	...	2	...	1	...	...	...	3	...	3
	Above 5 years...	...	...	1	...	...	...	...	...	1	...	1
Parish Workhouses and Hospitals	Below 5 years...	3	1	...	1	1	...	...	1	4	3	7
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Out Township Workhouses and Hospitals.	Below 5 years...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Everton and Kirkdale	Below 5 years...	6	10	9	6	7	4	4	5	26	25	51
	Above 5 years...	...	...	2	...	...	...	...	...	2	...	2
West Derby	Below 5 years...	3	2	2	4	1	1	1	3	7	10	17
	Above 5 years...	...	1	1	1	...	...	1	...	2	2	4
North Toxteth	Below 5 years...	3	5	3	6	1	...	1	...	8	11	19
	Above 5 years...	...	1	...	...	...	...	...	...	...	1	1
South Toxteth	Below 5 years...	5	6	4	3	1	1	1	...	11	10	21
	Above 5 years...	...	1	...	...	...	...	...	...	...	1	1
Parish	Below 5 years...	13	16	9	6	8	7	12	15	42	44	86
	Above 5 years...	...	...	1	1	1	2	...	1	2	4	6
Out Townships	Below 5 years...	17	23	18	19	10	6	7	8	52	56	108
	Above 5 years...	...	3	3	1	...	...	1	...	4	4	8
Borough	Below 5 years...	30	39	27	25	18	13	19	23	94	100	194
	Above 5 years...	...	3	4	2	1	2	1	1	6	8	14

DEATHS FROM DIPHTHERIA.

WARDS.		Quarters. March. M.	March. F.	June. M.	June. F.	Sept. M.	Sept. F.	Dec. M.	Dec. F.	Year. M.	Year. F.	Total.
Scotland	Below 5 years...	1	...	1	...	2	2	...	1	4	3	7
	Above 5 years...	...	...	...	1	...	...	...	1	...	2	2
Exchange	Below 5 years...	...	...	...	...	...	...	1	...	1	...	1
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
St. Anne's	Below 5 years...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years...	...	...	1	...	...	...	...	...	1	...	1
Lime Street	Below 5 years...	...	1	...	1	...	...	...	...	...	2	2
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Castle Street	Below 5 years...	...	...	...	...	...	...	...	1	...	1	1
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
St. Peter's	Below 5 years...	...	1	...	...	...	...	1	1	1	2	3
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Abercromby	Below 5 years...	...	...	1	1	...	1	...	...	1	2	3
	Above 5 years...	...	...	...	...	...	...	...	1	...	1	1
Everton and Kirkdale	Below 5 years...	...	2	4	1	3	2	4	3	11	8	19
	Above 5 years...	1	...	1	1	1	1	1	4	4	6	10
West Derby	Below 5 years...	...	1	...	1	1	1	1	...	2	3	5
	Above 5 years...	...	...	...	...	...	1	...	1	...	2	2
North Toxteth	Below 5 years...	2	1	...	1	...	...	2	1	4	3	7
	Above 5 years...	1	...	...	...	...	...	...	...	1	...	1
South Toxteth	Below 5 years...	...	2	2	1	1	1	1	...	4	4	8
	Above 5 years...	...	1	...	...	...	...	...	...	...	1	1
Parish	Below 5 years...	1	2	2	2	2	3	2	3	7	10	17
	Above 5 years...	...	...	1	1	...	...	...	2	1	3	4
Out-Townships	Below 5 years...	2	6	6	4	5	4	8	4	21	18	39
	Above 5 years...	2	1	1	1	1	2	1	5	5	9	14
Borough	Below 5 years...	3	8	8	6	7	7	10	7	28	28	56
	Above 5 years...	2	1	2	2	1	2	1	7	6	12	18

SMALL POX.

The prevalence and fatality of Small Pox in the Borough of Liverpool varied very considerably during the ten years which immediately preceded the fearful epidemic of that disease in 1870-71. In the years 1860 and 1861 the number of deaths from that cause were respectivaly 8 and 4. In the years 1862-3-4-5 and 6, they increased to 30, 100, 482, 459, and 102; while in the years 1867-8 and 9 they again lessened and only numbered 22, 18 and 20. This variableness in the extent and mortality of the disease becomes even more remarkable when we turn to the months of the two subsequent years 1870 and 1871. During the first seven months of 1870 (from January 1st to July 30th) there had not been a single death from Small Pox recorded in the Borough; but on the 30th July, and on 8th August, there died in the Netherfield Road Hospital from a severe and confluent form of the disease, two Spanish Sailors. These men were natives of Galicia, where the Small Pox was raging at the time of their leaving. They embarked as passengers by a Spanish Steamer from Corunna, and immediately on their arrival at the port of Liverpool, shipped as able bodied seamen on board the Spanish Barque—the Juliana. It was while on board this vessel that they sickened from the disease, and were, under the direction of their Consul, removed to the Netherfield Road Hospital. The time which elapsed between leaving Galicia and removal to the Hospital was within ten days, and therefore there is no reason to doubt that the disease was imported by them, and was in the stage of incubation at the period of their arrival in Liverpool. These two deaths were apparently the commencement of an epidemic which, during its course, numbered 2,093 fatal cases; 174 in 1870, and 1,919 in 1871. The Netherfield Road Hospital was at the time the only public place in the Borough to which persons suffering from Small Pox were or could be received. It is a charitable Institution, established and aided by private subscriptions, and managed on the self-supporting principle. There is a fixed charge for private patients and the select vestry had likewise contracted with the Managers of the Hospital for the reception and maintenance of all Small Pox patients who were chargeable to the Parish. Its records thus became an index of the prevalence of the disease. There had been admitted into the Hospital between January 1st and January 30th 1870, nine cases, viz., one in January, one in February, two in March, two in May, and three in June. None of these cases were fatal. Of the whole nine cases, three were foreign emigrants, three were seamen from on board ships, two were houseless tramps from the vagrant ward of the workhouse, and one, a girl aged six

years, was a pauper patient from No. 3 Court, Birkett Street. The spread of the contagion could not be traced directly to any of these cases. Birkett street though generally a sickly street, in a sickly district, was remarkably free from the disease during 1870, and both the case of the young girl, and those of the two vagrants, occurred as far back as February 14th, and March 6th and 31st. The direction of the impending visitation was foreshadowed by the five cases of sailors and emigrants during the months of May and June, and it appears probable from the high death-rate of sailors and their families during the whole epidemic, that there was always present a renewed stream of imported contagion which added somewhat to the virulence of the disease. During the earlier months of the epidemic, and even after numerous fatal cases had shown the existence of localised centres of infection within the Borough, a large percentage of the victims of the disease, and therefore of the propagators of the contagion, were persons connected with the shipping of the port. Of the deaths from Small Pox registered between the 30th July and the end of November 1870, 30·7 per cent. were seamen, or of the families of seamen, while of the deaths registered from Small Pox in December 1870, and during the whole of 1871, the percentage of sailors and their families was 8·3. This is comparatively a high rate, for we find that of the deaths from Small Pox (941) during the years 1864-5, the proportion of deaths of seamen and their families to those of all other classes was only 6·5 per cent; while in reference to epidemics of other diseases, which are clearly indigenous and which especially affect the labouring population, even this latter percentage is high; thus the proportion of the deaths of seamen and of their families to the total deaths from Typhus during the epidemic of 1865, was only 4·1 per cent.

After the deaths of the two Spanish seamen who had been removed to Netherfield Road Hospital, the next death from Small Pox was of the daughter of a Policeman residing in Salisbury Street, Everton; but as it proved to be the only fatal case in that street or its immediate neighbourhood during 1870, it cannot be regarded as having formed an active centre of contagion. The next case was the son of a seaman engaged in the foreign steam ship trade and residing at 190, Netherfield Road; this was soon followed by a death at the top house of Edinburgh Street, which is situated close to and immediately opposite 190, Netherfield Road. The next fatal case was the child of another seaman, residing at 190A, a terrace house above 190, Netherfield Road. The disease may now be considered as localised in Everton, and we accordingly find that of the 38 deaths which succeeded those occurring in Edinburgh Street and Netherfield Road, 24 occurred in Everton, 13 in streets of Scotland Ward, which abut on Everton, and only 1 in the Toxteths, and none in the south or centre of the Parish. During December, 1870, the disease spread somewhat;

but we still find that of all the deaths during that month, of which we have any knowledge of the residences of the patients before removal to the Hospitals, 47 were in or from Everton, 20 in or from the streets of Scotland Ward abutting on Everton, and 20 in or from other districts of the Town. It is now that we open the death record from Small Pox during 1871; but before giving the statistics of its mortality, it may be not without interest to enquire, why during some years sporadic cases of the disease did not extend the contagion among the people, while in other years every case became a centre of infection and helped to generate an epidemic influence—until the pestilence "like a running conflagration spreads below." The first and probably the most rational explanation of this variableness in the natural history of Small Pox, which suggests itself to the enquirer, is to be found in that remarkable characteristic of the disease,—the immunity of persons from a second attack, and the protection which is given by vaccination. An epidemic of Small Pox not only directly lessens the number of persons who will in the future be susceptible to attacks of the disease, but by the stimulus of fear and panic it promotes the extension of vaccination, and thus indirectly enlarges the area of the protected. After an epidemic, therefore, there is necessarily a lull, because of the diminution or absence of the materials which encourage and support the progress of the pestilence. On the contrary, when the period of immediate and personal danger has passed, not only are all ordinary precautions neglected, but after a time, in the blind confidence of security, there is apt to be engendered among a certain class of people, a scepticism as to the wisdom of the lessons and teachings of science and experience. It is then that agitators, emulous of noisy notoriety, promulgate their dicta against the doctrines of Jenner, and afford to foolish and improvident parents, an excuse for their selfish negligence of the means of providing by vaccination for the safety of their children from the effects of a loathsome disease. Hence, as a lessening of the numbers of the unprotected occasioned a pause or intermission in the onward course of an epidemic, so after a time of more or less duration, the neglect of vaccination will again prepare fresh victims, and encourage a renewed outbreak of the disease. Under this view of the cause of the periodical prevalence of Small Pox as an epidemic among the people, we regard the power of the contagious germ as at all times a fixed quantity, and see in the results of that power only the varying effects of the nature and amount of the materials subject to its influence. We apply to the pestilence the same law, and almost the same language which experience has proved to be applicable to the effects of fire. We say that the fire became a conflagration, because of the presence of a quantity of combustible materials, and that the contagion became a pestilence because of the accidental existence of a number of susceptible persons. In other words, it is the condition and amount of the fuel on which they feed, that spread alike the

fire and the pestilence. When the casual upsetting of a Kerosine lamp, and the ignition of a cow house, terminated in the awful conflagration of Chicago, no one regarded the catastrophe as due to the operation of an occult and mysterious cause. On the contrary, every one recognised in the devastating element, the fire whose unchangeable properties were familiar to their daily experience. They knew that fires had been of frequent and almost daily occurrence in Chicago; the only difference was that the necessary accidents and materials so combined as to produce a general conflagration had been wanting until the fatal night which witnessed the beginning of the destruction of their city. And when men apply to the future the experience of the past, it will be by the teaching of no theory of hidden causation, but by the practical avoidance of the conditions which are known to facilitate the spread of the devastating element. It is a similar lesson which we should apply to Small Pox; for in large towns it, like fire, is never absent from our midst; its properties and its natural history are well known to us, and it has been put under our perfect control by the immortal discovery of Jenner. It cannot, however, be denied, that occasionally the germ or contagious virus of Small Pox is found to possess a peculiar virulence and to manifest an inherent intensity of action, and that altogether apart, from the number and condition of the persons susceptible of the disease. It is in such cases, that more than ordinary precautions are to be taken to secure protection. The only possible mode of protection is by vaccination, and vaccination alone; but experience has proved that as a defence against waves of contagion of a special malignancy it is necessary for the people to be re-vaccinated so as to ensure the efficiency of the antidote. The contagious germ to which we trace the epidemic Small Pox of 1871, was brought from the Continent of Europe, and was of this peculiar malignancy. None of us, not even the oldest Physicians, remember so many cases which presented the hœmorrhagic and confluent characteristics of the disease, nor so many cases where primary vaccination performed in childhood failed in adult age to ensure protection. The extreme mortality from the disease in Liverpool, was no doubt greatly due to the home condition of our poor, and to the wretched weakness and debility to which they had been brought by the previous epidemic of Relapsing or Famine Fever; but it was also greatly due to the peculiar virulence of the disease itself. It is under these circumstances especially gratifying to know that re-vaccination, timely and efficiently done, proved a constant and perfect protection from the disease.

SMALL POX IN 1871

Occasioned 1,919 deaths in the Borough of Liverpool, or 814 in the Parish, and 1,105 in the Out-townships. Of these deaths 1,069 were males, and 850 females, and 736 were children below the age of 5 years. The rate of its mortality was equal to 3·8 per 1,000 per annum of the estimated population. Its rate of mortality relatively to deaths from all causes was 18·5 per cent. in the first quarter, 16·4 per cent. in the second quarter, 3·8 in the third quarter, and 0·7 per cent. in the fourth quarter; its annual rate relatively to all deaths was 11·0 per cent. Its annual rate of mortality relatively to total deaths from Zymotic causes was 31·0 per cent.; or 48·2 per cent. during the first quarter, 44·2 during the second quarter, 9·5 during the third quarter, and 3·2 during the fourth quarter.

The following tables show that during the four weeks of January 1871, the disease was chiefly restricted, as it had been during 1870, to the north and north-east parts of the town; for we find that, of 161 deaths which occurred in or could be traced by previous residence to the several wards, no less than 121 belonged to Scotland Ward, Everton and Kirkdale. In February, March, and April the disease had largely spread, and not only showed itself in considerable force in the adjoining districts of Vauxhall Ward, and West Derby, but had also passed over to the Toxteths and Great George's Ward, on the south side of the town. The localities in which its fatal effects were least felt were Exchange, Lime Street, Castle Street, Rodney Street, and Abercromby Wards, The epidemic virulence of the disease began to wane during July, and had almost ceased before the end of the third quarter of the year.

In arranging the tables, all deaths occurring in Hospitals, are, when the previous residences of the patients were known, transferred to the wards from whence they came.

DEATHS FROM SMALL POX IN 1871.

Wards.	January.				February.				March.				April.	Quarter.	April.				May.				June.				July.	Quarter.
	7	14	21	28	4	11	18	25	4	11	18	25	1		8	15	22	29	6	13	20	27	3	10	17	24	1	
Scotland	22	9	18	12	19	28	29	41	21	25	28	22	18	292	19	9	8	10	12	10	9	9	7	13	9	6	5	132
Vauxhall	1	1	3	3	4	1	6	10	6	2	5	5	2	49	2	4	5	3	3	3	4	6	2	1	1	4	2	40
St. Paul's	1	1	5	.	7	6	4	8	5	4	4	6	2	53	3	3	3	2	1	1	2	2	2	1	..	1	1	22
Exchange	1	..	2	..	..	6	1	8	2	2	1	1	..	19	..	1	..	1	..	.	1	..	..	1	1	..	..	5
St. Anne's	1	..	1	1	2	4	2	2	4	6	4	6	8	36	4	5	4	1	3	2	4	1	1	..	..	1	..	26
Lime Street	.	..	..	..	1	2	..	..	3	..	.	..	1	7	..	..	..	1	..	1	..	2	..	..	..	1	..	5
Castle Street	..	..	..	..	..	..	..	..	1	2	1	..	..	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
St. Peter's	..	..	..	..	..	..	1	1	1	1	..	1	..	5	1	..	1	..	..	..	..	..	..	1	1	..	1	5
Pitt Street	..	..	..	..	..	1	1	2	2	2	..	2	1	11	..	1	2	..	2	..	1	1	..	2	3	1	..	13
Great George	1	3	2	1	8	1	3	5	2	3	2	7	2	35	1	2	1	1	4	2	1	2	1	2	3	2	1	23
Rodney Street	1	..	..	1	..	..	2	2	2	..	1	2	..	11	..	..	..	..	1	3	2	3	3	..	..		..	12
Abercromby	..	..		1	2	..	2	3	1	2	1	..	..	12	3	1	..	1	..	..	..	1	..	2	..	1	2	11
Everton and Kirkdale	14	10	15	21	22	22	31	27	24	17	26	21	18	268	22	17	15	18	9	13	10	6	9	6	6	5	4	140
West Derby	1	3	..	1	4	2	4	5	4	5	8	2	5	44	4	9	3	9	3	4	1	8	2	2	4	5	8	62
North Toxteth	..	1	..	1	3	..	2	4	..	2	7	7	7	34	7	4	7	4	7	4	9	6	2	5	5	5	2	67
South Toxteth	..	1	..	1	2	3	3	10	2	6	11	6	6	51	7	9	15	11	2	6	5	6	3	3	..	2	..	69
Hospitals (Residences Unknown)	7	6	19	8	21	10	14	6	9	10	4	9	8	131	4	3	10	6	8	3	1	4	3	2	1	2	..	47
Total	50	35	65	51	90	86	105	129	89	89	103	97	73	1062	77	68	74	74	55	52	50	57	35	41	34	36	26	679

Wards.	July.				August.				September.					Quarter.	October.				November.				December.					Quarter.	Year.
	8	15	22	29	5	12	19	26	2	9	16	23	30		7	14	21	28	4	11	18	25	2	9	16	23	30		
Scotland	5	2	1	4	2	1	1	1	2	..	..	1	1	21	..	..	..	..	..	..	..	..	..	..	..	..	..	..	445
Vauxhall	1	3	..	1	1	..	..	..	..	..	..	..	..	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	95
St. Paul's	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	76
Exchange	..	..	1	2	2	..	..	..	..	..	..	..	..	5	..	..	1	.	..	..	..	..	1	..	..	..	..	2	31
St. Anne's	..	..	..	1	..	1	..	1	..	2	1	2	..	8	1	1		..	..	..	..	..	..	..	..	..	..	2	72
Lime Street	..	1	2	..	..	..	..	..	..	1	..	..	..	4	..	1	..	..	..	1	..	..	..	..	..	..	..	2	18
Castle Street	1	..	..	.	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	—	..	5
St. Peter's	1	..	2	..	..	..	1	..	.	..	..	..	..	4	..	1	..	..	..	..	.	..	..	..	..	..	..	1	15
Pitt Street	1	2	3	..	..	..	1	..	1	..	..	..	..	8	..	..	..	1	..	..	..	..	.	..	..	..	..	1	33
Great George	1	.	1	1	1	..	..	..	..	1	..	1	..	6	1	..	..	..	.	..	..	..	1	..	..	..	.	2	66
Rodney Street	1	..	2	..	..	..	..	..	..	..	..	..	..	3	1	..	..	..	..	..	..	..	..	..	..	..	..	1	27
Abercromby	1	1	2	2	..	2	..	..	..	..	..	..	..	8	.	..	..	..	..	..		..	..	..	..	..	..	..	31
Everton and Kirkdale	7	4	5	1	1	1	1	1	1	2	1	1	3	29	1	2	..	..	..	1	1	..	3	..	1	1	1	11	448
West Derby	4	5	5	4	2	1	4	2	..	1	1	..	..	29	..	..	..	..	..	..	..	1	..	..	..	..	..	1	136
North Toxteth	..	..	1	..	..	..	.	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	103
South Toxteth	3	4	1	1	..	..	..	..	...	..	1	..	..	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	130
Hospitals (Residences Unknown)	1	..	1	2	..	..	..	2	..	..	..	..	..	6	..	..	1	..	..	..	.	1	..	..	..	1	1	4	188
Total	27	22	27	20	9	6	8	7	4	7	4	5	4	150	4	5	2	1	..	2	1	2	5	..	1	3	2	28	1919

DEATHS FROM SMALL POX.

WARDS.		Quarters. March. M.	March. F.	June. M.	June. F.	Sept. M.	Sept. F.	Dec. M.	Dec. F.	Year. M	Year. F.	Total.
Scotland	Below 5 years...	61	76	23	29	8	2	...	...	92	107	199
	Above 5 years...	66	50	29	17	1	3	...	...	96	70	166
Vauxhall	Below 5 years...	12	8	9	9	1	1	...	...	22	18	40
	Above 5 years...	10	7	4	8	1	...	...	...	15	15	30
St. Paul's	Below 5 years...	13	12	4	3	...	...	...	...	17	15	32
	Above 5 years...	7	13	4	2	...	...	...	...	11	15	26
Exchange	Below 5 years...	7	1	...	2	3	1	...	...	10	4	14
	Above 5 years...	2	3	1	1	...	...	1	...	4	4	8
St. Anne's	Below 5 years...	5	3	3	3	2	1	...	...	10	7	17
	Above 5 years...	7	8	4	4	1	1	1	...	13	13	26
Lime Street	Below 5 years...	2	2	1	2	1	...	...	1	4	5	9
	Above 5 years...	...	1	1	1	...	1	1	...	2	3	5
Castle Street	Below 5 years...	2	1	...	...	...	...	...	...	2	1	3
	Above 5 years...	1	...	...	...	...	...	...	...	1	...	1
St. Peter's	Below 5 years...	...	...	1	...	...	2	...	...	1	2	3
	Above 5 years...	4	1	...	...	...	...	...	...	4	1	5
Pitt Street	Below 5 years...	1	1	1	3	1	...	...	...	3	4	7
	Above 5 years...	...	1	1	2	...	1	...	...	1	4	5
Great George	Below 5 years...	4	12	1	5	1	...	...	...	6	17	23
	Above 5 years...	5	8	4	4	2	1	...	1	11	14	25
Rodney Street	Below 5 years...	1	...	...	2	...	...	...	...	1	2	3
	Above 5 years...	3	1	2	...	...	1	...	1	5	3	8
Abercromby	Below 5 years...	1	2	1	...	...	2	...	...	2	4	6
	Above 5 years...	3	4	3	4	2	1	...	...	8	9	17
Parish Workhouses and Hospitals	Below 5 years...	5	18	1	11	...	...	...	...	6	29	35
	Above 5 years...	27	56	...	18	...	...	...	...	27	74	101
Out-Townships, Workhouses, and Hospitals	Below 5 years...	22	10	11	10	1	3	...	2	34	25	59
	Above 5 years...	151	41	125	31	33	15	8	3	317	90	407
Everton and Kirkdale	Below 5 years...	37	41	18	27	6	6	5	...	66	74	140
	Above 5 years...	61	52	29	26	9	2	1	2	100	82	182
West Derby	Below 5 years...	6	4	7	6	7	6	...	...	20	16	36
	Above 5 years...	7	9	12	14	6	4	1	...	26	27	53
North Toxteth	Below 5 years...	11	5	17	15	...	1	...	...	28	21	49
	Above 5 years...	8	8	19	15	...	...	...	...	27	23	50
South Toxteth	Below 5 years...	8	16	22	12	3	...	...	...	33	28	61
	Above 5 years...	14	13	26	9	4	2	...	...	44	24	68
Parish	Below 5 years...	114	136	45	69	17	9	...	1	176	215	391
	Above 5 years...	135	153	53	61	7	9	3	2	198	225	423
Out Townships	Below 5 years...	84	76	75	70	17	16	5	2	181	164	345
	Above 5 years...	241	123	211	95	52	23	10	5	514	246	760
Borough	Below 5 years...	198	212	120	139	34	25	5	3	357	379	736
	Above 5 years...	376	276	264	156	59	32	13	7	712	471	1183

The Registrars were kind enough to append to every certificate of death from Small Pox, a memorandum stating whether the patient had or had not been vaccinated. As this information was frequently obtained by them from the persons who brought the certificate and not always directly from the medical man who signed it, I have never considered it as altogether reliable or fit to form the basis of trustworthy statistics. The facts when summarised will tell correctly only half the truth. They will, no doubt, tell with precision the

existence of a certain number of cases which were admitted on the best authority to have been unvaccinated; but, it would be at variance with experience to believe that parents and members of a family will always volunteer a confession, or answer an enquiry in a way to implicate themselves in, if not an offence, at least a neglected duty towards the children who had been under their protection and control. The list of vaccinated patients must therefore be received with considerable reserve. When of the 1,919 cases of death from Small Pox, the returns tell us that 1,189 were not vaccinated, they may to that extent be confidently relied upon; but I at least do not believe that all the 730 cases reported to have been vaccinated had really been so; or that in scarcely a tenth of that number would medical men have recognised the characteristic marks of a properly performed operation of vaccination.

The observations made on 1,616 patients treated for Small Pox in the Parish Hospitals give some extremely interesting results as to the influence of vaccination in mitigating the severity of the disease, even when it had not proved to be a prophylactic or antidote to the contagious poison. They show as will be seen by the following tables that the deaths of the unvaccinated and of those in whom vaccination was doubtful were equal to 56·4 per cent.; that the deaths where one cicatrix was visible were equal to 14·9 per cent.; where two cicatrices were visible the deaths were at the rate of 9·8 per cent., and where three at the rate of 7·0 per cent.

PARISH OF LIVERPOOL—WORKHOUSE HOSPITALS SMALL-POX EPIDEMIC OF 1871.

	Below 1	1 to 6	6 to 10 in	11 to 15 in	16 to 20 in	21 to 30 in	31 to 40 in	41 to 50 in	51 to 60 in	Total
Unvaccinated or uncertain	13	84	78	53	49	100	40	16	4	432
Vaccinated 1 Cicatrix	1	16	39	64	91	97	35	8	4	355
" 2 Cicatrices	..	13	51	126	151	170	40	12	2	565
" 3 "	2	6	31	49	57	48		2	..	200
" 4 or upwards	1	6	14	4	13	14	5	1	..	58
" Cicatrices not specified	1	1	1	1	1	..	..	1	..	6
	18	126	209	297	362	429	125	40	10	1616

PARISH OF LIVERPOOL.

WORKHOUSE HOSPITALS—SMALLPOX EPIDEMIC OF 1871.

TOTAL CASES 1,616.		Deaths 375.
Of the above were—		
Not Vaccinated	264	148
Vaccination Doubtful	168	96
Vaccinated 1 Cicatrix	355	53
" 2 Cicatrices	565	56
" 3 "	200	14
" 4 "	46	4
" 5 or upwards	12	1
" Imperfectly	4	2
" Well	2	1
	1616	375

List of Streets in the Borough wherein Three or more Deaths from Small Pox occurred in 1871.

Streets in the Parish.	Houses. Front.	Houses. Court.	Total.
Athol	15	...	15
Back Portland	2	2	4
Back Seel	...	4	4
Baptist	...	3	3
Barmouth	3	...	3
Beau	1	3	4
Beau Lane	2	1	3
Blandford	2	1	3
Blenheim	5	7	12
Blundell	5	2	7
Bond	2	6	8
Bostock	4	...	4
Boundary	2	1	3
Brick	6	...	6
Bridgewater	4	...	4
Brownlow Hill	3	...	3
Burlington	4	7	11
Calvin	3	...	3
Carlton	5	7	12
Charters	2	6	8
Chisenhale	4	4	8
Collingwood	5	5	10
Comus	1	2	3
Cranmer	4	2	6
Crosbie	...	4	4
Dalrymple	3	...	3
Denbigh	3	...	3
Denison	5	1	6
Doncaster	3	...	3
Dryden	4	7	11
Eaton	1	2	3
Eldon	1	3	4
Ennerdale	3	1	4
Epsom	5	...	5
Ford	...	3	3
Furlong	1	5	6
Gascoyne	4	7	11
Gerard	5	...	5
Gibraltar Row	3	...	3
Gildarts Gardens	1	4	5
Gomer	1	3	4
Great Homer	2	1	3
Great Howard	5	1	6
Hedley	3	1	4
Henry Edward	2	1	3
Highfield	8	1	9
Hopwood	2	3	5
Hornby	11	12	23
Idris	3	...	3
Islington	1	2	3
Jordan	3	2	5
Kent	1	2	3
Kew	5	2	7
Kitchen	4	3	7
Knight	1	2	3
Latimer	3	5	8
Leeds	5	3	8
Limekiln Lane	6	1	7
Maguire	2	1	3
Midghall	5	3	8
Milton	4	2	6
Naylor	2	2	4
Newport	2	1	3
Norfolk	3	3	6
North	...	6	6
Orry	4	...	4
Paget	6	...	6
Pall Mall	2	2	4
Penrhyn	3	5	8
Peover	3	...	3
Pitt	4	...	4
Portland	5	...	5
Primrose Hill	1	2	3
Prussia	2	1	3
Rachel	4	2	6
Rathbone	2	2	4
Ray	4	3	7
Raymond	8	3	11
Regent	3	2	5
Roberts	1	2	3
St. Andrew	3	5	8
St. Anne	4	2	6
St. Martin	3	3	6
Saltney	2	2	4
Sand	2	1	3
Sawney Pope	2	1	3
Scotland Road	13	...	13
Silvester	3	1	4
Skirving	11	...	11
Slade	2	4	6
Smithfield	2	2	4
Springfield	1	3	4
Standish	3	...	3
Stockdale	1	4	5
Tatlock	8	8	16
Tenterden	3	...	3
Thomas	4	...	4
Titchfield	2	1	3
Townsend	4	1	5
Upper Frederick	6	2	8
Vauxhall Road	7	1	8
Vernon	2	1	3
Walmsley	5	...	5
Warren	6	...	6
Westmoreland	7	1	8
Whitley	3	7	10
Woodstock	1	3	4
Worfield	1	2	3
Wright	4	1	5
Streets in the Out Townships.			
Arkwright	5	1	6
Ashwell	1	6	7
Aspinall	3	...	3
Back Stanley Crescent	1	3	4

List of Streets in the Borough wherein Three or more Deaths from Small Pox occurred in 1871.—*Continued.*

Streets in the Out-Townships.	Houses.		Total.	Streets in the Out-Townships.	Houses.		Total.
	Front.	Court.			Front.	Court.	
Bancroft	2	1	3	Luther	3	...	3
Beaufort	4	...	4	Luton	3	...	3
Bembridge	3	...	3	Major	4	...	4
Bevin Lane	2	1	3	Mann	4	10	14
Bower	6	...	6	Maynard	...	4	4
Brassey	...	3	3	Milford	9	...	9
Brindley	3	3	6	Mill	5	...	5
Britton	3	1	4	Mill Road	4	...	4
Buckingham	3	...	3	Netherfield Road North	3	...	3
Candia	3	...	3	Northumberland	3	1	4
Cardwell	3	...	3	Oliver	3	...	3
Chalmers	3	...	3	Park	3	...	3
Christopher	3	...	3	Park Road	7	...	7
Clive	3	7	10	Portland Place	3	1	4
Combermere	1	3	4	Postance Place	3	...	3
Compton	4	...	4	Potter	5	...	5
Conway	3	...	3	Pottery Flags	3	...	3
Cornwall	3	...	3	Prince Edwin	3	6	9
Crow	...	3	3	Prince William	2	4	6
Darnley	...	3	3	Reading	3	...	3
Devonshire Place	1	2	3	Robertson	4	1	5
Douro	1	2	3	Robsart	7	1	8
Edgeware	4	...	4	Rockingham	3	...	3
Edinburgh	7	...	7	Roger	3	...	3
Elias	7	...	7	Rokeby	2	1	3
Falknor	2	2	4	Rooney	6	...	6
Field	3	...	3	Rose Vale	4	2	6
Glover	4	...	4	Salisbury	4	3	7
Godfrey	3	...	3	Sandys	7	...	7
Gordon	5	...	5	Shakespeare	3	...	3
Gore	1	4	5	Shelley	4	...	4
Grafton	...	5	5	Smithdown Lane	3	...	3
Gregson	5	...	5	Spencer	3	...	3
Haigh	8	...	8	Squires	4	...	4
Haylock	4	...	4	Stanhope	3	2	5
Henderson	8	6	14	Stanley Road	4	...	4
Hibbert	5	...	5	Star	3	...	3
Hill	9	...	9	Summer Gardens	3	...	3
Holden	3	...	3	Sylvia	3	...	3
Hughes	6	...	6	Thomaston	5	...	5
Kinglake	...	3	3	Torr	1	2	3
Laith	3	...	3	Upper Hill	3	...	3
Lancaster	7	...	7	Upper Parliament	3	...	3
Latham	5	...	5	Uxbridge	3	...	3
Laxey	1	4	5	Victoria	9	...	9
Leison	2	1	3	Wellington Road	8	...	8
Linden	3	...	3	Westminster Road	3	...	3
Llanrwst	2	4	6	Wolfe	10	...	10
Lorton	3	1	4	Woodruff	4	...	4
Low Hill	1	2	3				

OTHER ZYMOTICS.

Under the term of other Zymotics are included:—Chicken Pox, Dysentery, Cholera, Influenza, Erysipelas, Syphilis, Thrush, Puerperal Fever, Rheumatic Fever, Quinsy, Ague, Mumps, Purpura, Scurvy, and Hydrophobia.

DEATHS FROM OTHER ZYMOTICS.

WARDS.		Quarters. March. M.	March. F.	June. M.	June. F.	Sept. M.	Sept. F.	Dec. M.	Dec. F.	Year. M.	Year. F.	Year. Total.
Scotland	Below 5 years	3	4	2	2	3	5	6	5	14	16	30
	Above 5 years	1	4	2	...	2	1	2	2	7	7	14
Vauxhall	Below 5 years	...	...	1	1	2	1	...	...	3	2	5
	Above 5 years	...	...	...	...	...	...	...	...	...	...	...
St. Paul's	Below 5 years	...	...	...	1	...	...	1	...	1	1	2
	Above 5 years	...	1	...	...	1	...	1	...	2	1	3
Exchange	Below 5 years	...	...	3	...	1	...	1	1	5	1	6
	Above 5 years	...	...	...	...	1	1	...	...	1	1	2
St. Anne's	Below 5 years	4	2	...	1	2	1	2	3	8	7	15
	Above 5 years	3	3	...	...	...	1	...	1	3	5	8
Lime Street	Below 5 years	...	...	...	1	...	2	2	1	2	4	6
	Above 5 years	...	...	1	2	1	...	...	3	2	5	7
Castle Street	Below 5 years	...	...	...	...	1	...	...	...	1	...	1
	Above 5 years	...	...	...	...	...	...	...	...	...	...	...
St. Peter's	Below 5 years	...	...	...	...	1	...	...	...	1	...	1
	Above 5 years	...	...	...	...	...	...	1	...	1	...	1
Pitt Street	Below 5 years	...	2	...	...	...	...	1	...	1	2	3
	Above 5 years	...	...	...	...	...	...	1	...	1	...	1
Great George	Below 5 years	...	...	2	...	1	...	...	...	3	...	3
	Above 5 years	...	1	...	1	...	...	2	2	2	4	6
Rodney Street	Below 5 years	1	1	2	...	...	...	...	...	3	1	4
	Above 5 years	...	...	...	...	...	...	...	1	...	1	1
Abercromby	Below 5 years	...	...	3	...	...	1	...	...	3	1	4
	Above 5 years	...	...	...	...	...	...	...	1	...	1	1
Parish Workhouses and Hospitals	Below 5 years	1	1	2	1	...	...	...	2	3	4	7
	Above 5 years	8	5	6	1	3	4	4	6	21	16	37
Out Township Workhouses and Hospitals.	Below 5 years	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years	...	2	1	1	...	...	1	2	2	5	7
Everton and Kirkdale	Below 5 years	5	5	4	3	6	6	4	6	19	20	39
	Above 5 years	3	1	2	7	3	4	...	...	8	12	20
West Derby	Below 5 years	3	1	2	1	5	4	1	2	11	8	19
	Above 5 years	...	...	1	1	2	2	...	2	3	5	8
North Toxteth	Below 5 years	2	4	...	1	4	2	2	1	8	8	16
	Above 5 years	2	1	1	2	1	1	...	...	4	4	8
South Toxteth	Below 5 years	3	2	1	2	...	3	5	1	9	8	17
	Above 5 years	1	1	...	4	...	2	2	2	3	9	12
Parish	Below 5 years	9	10	15	7	11	10	13	12	48	39	87
	Above 5 years	12	14	9	4	8	7	11	16	40	41	81
Out Townships	Below 5 years	13	12	7	7	15	15	12	10	47	44	91
	Above 5 years	6	5	5	15	6	9	3	6	20	35	55
Borough	Below 5 years	22	22	22	14	26	25	25	22	95	83	178
	Above 5 years	18	19	14	19	14	16	14	22	60	76	136

TUBERCULAR DISEASES.

This group of diseases includes Phthisis, Scrofula, Tabes Mesenterica and Hydrocephalus. They occasioned 2141 deaths in the Borough of Liverpool during the year 1871, of which 1147 occurred in the Parish, and 994 in the Out-townships. The death-rate was 4·3 per 1000 of the estimated population; their per centage death-rate relatively to deaths from all causes was 12·3.

DEATHS FROM PHTHISIS.

WARDS.		Quarters. March. M.	March. F.	June. M.	June. F.	Sept. M.	Sept. F.	Dec. M.	Dec. F.	Year. M.	Year. F.	Total.
Scotland	Below 5 years...	1	1	3	1	4	3	2	1	10	6	16
	Above 5 years...	24	35	25	27	27	28	24	22	100	112	212
Vauxhall	Below 5 years...	1	...	1	2	1	3	...	1	3	6	9
	Above 5 years...	8	6	2	2	7	2	5	6	22	16	38
St. Paul's	Below 5 years...	1	1	1	1	2	...	...	1	4	3	7
	Above 5 years...	7	1	1	4	5	5	5	3	18	13	31
Exchange	Below 5 years...	...	1	1	1	...	1	...	1	1	4	5
	Above 5 years...	2	2	5	5	5	4	3	...	15	11	26
St. Anne's	Below 5 years...	...	1	3	...	...	...	1	...	4	1	5
	Above 5 years...	12	16	9	11	10	3	10	7	41	37	78
Lime Street	Below 5 years...	1	...	1	...	1	...	...	...	3	...	3
	Above 5 years...	10	7	5	6	4	6	9	6	28	25	53
Castle Street	Below 5 years...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years...	...	1	1	3	1	1	2	...	4	5	9
St. Peter's	Below 5 years...	1	...	...	1	...	1	...	...	1	2	3
	Above 5 years...	1	2	3	1	1	3	2	...	7	6	13
Pitt Street	Below 5 years...	2	...	...	2	...	...	1	1	3	3	6
	Above 5 years...	5	4	2	5	5	3	2	2	14	14	28
Great George	Below 5 years...	1	...	1	...	...	...	1	...	3	...	3
	Above 5 years...	3	3	2	4	6	5	4	5	15	17	32
Rodney Street	Below 5 years...	1	1	...	...	...	...	...	1	1	2	3
	Above 5 years...	9	4	5	5	8	4	4	4	26	17	43
Abercromby	Below 5 years...	...	1	...	...	1	...	...	...	1	1	2
	Above 5 years...	7	7	8	8	11	1	7	3	33	19	52
Parish Workhouses and Hospitals	Below 5 years...	1	...	1	...	...	...	1	1	3	1	4
	Above 5 years...	42	41	45	31	24	13	42	19	153	104	257
Out Township Workhouses and Hospitals	Below 5 years...	...	...	...	...	...	...	...	..	...	...	...
	Above 5 years...	1	...	1	1	3	2	5	4	10	7	17
Everton and Kirkdale	Below 5 years...	4	3	2	4	9	2	2	...	17	9	26
	Above 5 years...	43	45	53	51	41	31	52	27	189	154	343
West Derby	Below 5 years...	1	...	2	5	2	2	2	...	7	7	14
	Above 5 years...	30	16	24	15	14	17	15	16	83	64	147
North Toxteth	Below 5 years...	1	...	...	1	...	1	2	...	3	2	5
	Above 5 years...	10	17	8	8	12	12	10	12	40	49	89
South Toxteth	Below 5 years...	...	...	...	1	3	1	2	3	5	5	10
	Above 5 years...	8	7	5	16	6	9	7	21	26	53	79
Parish	Below 5 years...	10	6	12	8	9	8	6	7	37	29	66
	Above 5 years...	130	129	113	112	114	78	119	77	476	396	872
Out Townships	Below 5 years...	6	3	4	11	14	6	8	3	32	23	55
	Above 5 years...	92	85	91	91	76	71	89	80	348	327	675
Borough	Below 5 years...	16	9	16	19	23	14	14	10	69	52	121
	Above 5 years...	222	214	204	203	190	149	208	157	824	723	1547

DEATHS FROM OTHER TUBERCULAR DISEASES.

WARDS.		Quarters. March. M.	March. F.	June. M.	June. F.	Sept. M.	Sept. F.	Dec. M.	Dec. F.	Year M.	Year F.	Year Total
Scotland	Below 5 years	15	9	6	6	16	6	7	8	44	29	73
	Above 5 years	...	...	1	...	2	...	...	...	3	..	3
Vauxhall	Below 5 years	2	...	...	2	1	1	1	...	4	3	7
	Above 5 years	...	...	...	...	...	...	...	...	...	...	...
St. Paul's	Below 5 years	...	1	3	1	1	1	1	3	5	6	11
	Above 5 years	...	...	...	...	...	...	...	...	...	...	...
Exchange	Below 5 years	...	...	1	...	2	1	2	...	5	1	6
	Above 5 years	...	...	...	...	...	...	...	...	...	...	...
St. Anne's	Below 5 years	1	3	2	3	...	5	2	...	5	11	16
	Above 5 years	...	...	...	...	...	...	...	...	...	...	...
Lime Street	Below 5 years	1	2	2	2	1	2	1	1	5	7	12
	Above 5 years	...	...	...	...	1	1	...	...	1	1	2
Castle Street	Below 5 years	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years	...	...	...	...	...	...	...	...	...	...	...
St. Peter's	Below 5 years	1	...	...	1	1	3	1	...	3	4	7
	Above 5 years	...	1	...	...	...	...	...	...	...	1	1
Pitt Street	Below 5 years	1	3	1	...	2	1	...	...	4	4	8
	Above 5 years	...	...	...	...	...	...	...	1	...	1	1
Great George	Below 5 years	...	1	3	2	2	2	1	...	6	5	11
	Above 5 years	...	1	...	1	...	...	...	...	...	2	2
Rodney Street	Below 5 years	...	2	4	2	1	1	1	...	6	5	11
	Above 5 years	...	...	...	...	...	...	...	...	...	...	...
Abercromby	Below 5 years	5	2	2	1	...	...	1	...	8	3	11
	Above 5 years	...	1	...	2	...	...	1	...	1	3	4
Parish Workhouses and Hospitals	Below 5 years	6	2	2	...	2	1	1	1	11	4	15
	Above 5 years	2	...	1	3	3	1	...	...	4	4	8
Out Township Workhouses and Hospitals	Below 5 years	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years	...	...	...	...	1	...	...	...	1	...	1
Everton and Kirkdale	Below 5 years	14	16	24	5	18	10	7	9	63	40	103
	Above 5 years	4	1	2	2	1	...	1	2	8	5	13
West Derby	Below 5 years	7	7	5	2	5	8	10	13	27	30	57
	Above 5 years	...	...	2	...	...	...	1	...	3	...	3
North Toxteth	Below 5 years	4	2	8	5	2	4	3	4	17	15	32
	Above 5 years	1	...	...	...	...	1	1	1	2	2	4
South Toxteth	Below 5 years	7	7	9	5	4	4	7	5	27	21	48
	Above 5 years	1	1	1	...	...	...	...	...	2	1	3
Parish	Below 5 years	32	25	26	20	29	24	19	13	106	82	188
	Above 5 years	...	3	2	6	6	2	1	1	9	12	21
Out Townships	Below 5 years	32	32	46	17	29	25	27	31	134	105	239
	Above 5 years	6	2	5	2	2	1	3	3	16	8	24
Borough	Below 5 years	64	57	72	37	58	50	46	44	240	188	428
	Above 5 years	6	5	7	8	8	3	4	4	25	20	45

I have received from Mr. Hartnup the following Meteorological Table for the year 1871.

LIVERPOOL OBSERVATORY.

DATE. 1871.	Mean Barometer. Inches.	Mean Temperature. °	Rainfall on Ground. Inches.
January	29·805	33·7	1·33
February	29·943	43·0	1·58
March	30·002	45·9	0·82
April	29·796	48·3	1·99
May	30·103	53·0	1·45
June	29·965	55·9	2·37
July	29·801	59·8	3·77
August	30·000	63·4	1·18
September	29·922	54·9	3·95
October	29·901	50·8	5·22
November	30·019	40·0	1·94
December	30·058	40·4	1·72

The Select Vestry are kind enough to forward to my office a daily list of the cases of Typhus Fever, Small Pox, and Relapsing Fever attended by the Parochial Medical Officers, and a monthly list of the cases of all Zymotic diseases, of Tubercular diseases, and of sickness from other causes, which have occurred in the twelve districts of the Parish.

The daily list enables the Health Committee to take action for the purification of the houses, and I am able from the other to classify the districts and streets in which sickness has prevailed.

The following are the streets within the Parish of Liverpool in which six or more cases of Fever, or three or more of Scarlatina, or three or more of Small Pox have occurred during the year.

STREET.	Zymotic Diseases, including Fever Scarlatina. and Small Pox.	Fever and Relapsing Fever.	Small Pox.	Scarlatina.	Tubercular Diseases including Phthisis.	Phthisis.	Other Diseases.
Aintree	3	...	3	...	...	...	...
Ashfield	10	...	3	...	3	3	17
Athol	46	29	16	...	2	2	72
Aldersey	7	6	...	...	1	...	9
All Saints Lane	4	...	3	...	...	...	3
Arley	52	39	9	...	3	3	59
Addison	105	73	8	...	9	9	254
Adlington	50	34	7	...	5	5	171
Arden	8	8	...	..	...	...	4
Ainsworth	44	29	5	3	3	...	88
Back Portland	64	40	13	4	11	10	235
Blenheim	104	56	40	...	13	13	175
Bostock	36	30	5	...	3	3	63
Boundary	15	10	...	...	2	2	15
Burlington	144	104	35	3	3	3	128
Barmouth	17	13	4	...	11	11	35
Beacon	51	44	6	...	4	3	49
Blackstone	13	7	4	...	2	1	27
Burnet	44	22	10	...	...	...	90
Birch	12	7	5	...	...	...	14
Beau	57	51	4	...	5	5	56
Ben Jonson	35	28	4	...	2	2	81
Bent	31	21	10	...	1	1	55
Birkett	41	29	9	...	7	7	77
Beau Lane	12	11	...	...	...	...	4
Baptist	25	18	3	...	7	3	34
Bay Horse Lane	20	16	...	...	1	1	42
Blandford	59	19	22	...	1	1	131
Bidder	7	...	7	...	...	...	7
Birchfield	11	...	8	...	1	...	10
Back Bond	16	11	5	...	1	...	8
Bevington Hill	12	9	3	...	...	..	6
Bevington	38	26	9	...	2	2	30
Blackstock	13	6	3	...	1	1	43
Bond	69	48	13	...	2	2	58
Burroughs Gardens	11	9	...	...	...	...	6
Banastre	39	33	6	...	1	1	52
Back Milton	7	7	...	...	1	1	3
Bevington Bush	7	...	3	...	2	2	22
Bow	17	15	...	...	..	...	10
Bispham	38	17	5	...	5	5	111

STREET.	Zymotic Diseases, including Fever Scarlatina, and Small Pox.	Fever and Relapsing Fever.	Small Pox	Scarlatina.	Tubercular Diseases including Phthisis.	Phthisis.	Other Diseases.
Brook's Alley	7	...	5	...	...	...	10
Bolton	45	15	6	...	3	3	102
Brownlow Hill (sheds included)	458	207	167	20	21	17	1989
Back Blake	27	6	12	...	3	3	66
Blake	68	24	13	...	11	11	172
Brown	39	19	3	3	...	...	92
Bailey	11	7	...	...	...	...	35
Blundell	34	16	16	...	5	5	88
Bridgewater	26	9	15	...	1	1	37
Brick	128	86	22	4	3	3	252
Bartlam	4	...	3	...	...	...	30
Back Seel	6	..	3	...	1	1	16
Carlton	202	170	23	...	8	8	195
Clay	19	18	...	...	...	...	20
Cranmer	6	...	5	...	1	1	17
Cemeas	5	...	5	...	...	...	8
Chapel Walks	10	9	...	...	1	1	8
Chaucer	15	14	...	...	2	2	27
Collingwood	106	74	26	...	9	8	152
Comus	12	7	4	...	3	3	44
Christian	40	31	5	...	4	3	67
Circus	64	45	14	...	7	7	79
Clare	19	7	6	...	2	2	50
Clayton	13	9	3	...	5	4	51
Constance	6	...	4	...	...	...	24
Chadwick	43	38	3	...	4	4	16
Charters	60	44	10	...	5	5	66
Chisenhale	41	14	20	...	2	2	101
Clement	26	9	14	...	2	2	28
Cavendish	48	38	9	...	2	2	101
Cherry Lane	37	30	5	...	...	...	23
Cheapside	16	16	...	...	1	1	16
Copperas Hill	37	18	8	...	4	4	93
Chapel Lane	9	...	3	...	...	...	22
College Lane	4	...	3	...	...	...	63
Crosbie	62	41	15	...	2	2	113
Crump	26	17	7	...	1	1	25
Darwen	11	6	...	4	...	...	40
Denbigh	48	44	3	3	...	...	19
Doncaster	7	...	6	...	...	...	8
Dublin	8	6	...	...	3	2	8
Drinkwater's Gardens	18	11	5	...	...	...	9
Dryden	108	79	21	...	6	6	136
Downe	8	7	...	...	...	...	8
Denison	54	41	12	...	5	5	38
Duckinfield	129	71	17	...	22	14	440
Dale	6	...	3	...	1	1	45
Duke	9	...	5	...	...	...	10
Epsom	31	20	7	4	2	2	31
Elgin	7	7	...	...	1	1	10
Ellenborough	6	...	3	...	...	...	8
Emma Ann	9	6	...	...	1	1	8
Eldon	86	60	20	...	6	4	120
Eldon Place	4	...	3	...	...	...	11
Ennerdale	65	55	8	...	...	...	42
Eaton	14	9	3	...	4	4	61

STREET.	Zymotic Diseases, including Fever Scarlatina and Small Pox.	Fever and Relapsing Fever.	Small Pox.	Scarlatina.	Tubercular Diseases including Phthisis.	Phthisis.	Other Diseases.
Edgar	13	12	...	...	...	...	22
Edward	24	13	...	...	3	2	114
Fulton	8	...	7	...	...	...	1
Furlong	3	...	3	...	...	...	14
Finch Place	10	...	4	3	2	2	23
Ford	112	103	7	...	2	2	102
Freemason's Row	8	...	3	...	...	...	24
Fontenoy	37	32	4	...	1	1	87
Frederick	9	...	5	...	1	1	34
Green	9	...	4	...	1	1	20
Great Howard	19	13	6	...	...	...	26
Great Homer	8	...	4	...	...	...	10
Gay	53	49	3	...	1	1	27
Great Richmond	44	35	4	...	...	...	32
Grosvenor	41	23	7	...	5	5	82
Gerard	59	41	15	...	7	4	89
Gomer	13	12	...	...	10	6	46
Graham Place	6	6	...	...	...	...	39
Gildart's Gardens	63	56	5	...	2	2	77
Gascoyne	37	24	13	...	3	3	81
Gibraltar Row	25	19	5	...	...	...	18
Great Crosshall	12	7	5	...	3	3	30
Grayson	26	16	8	...	2	2	47
Greenland	26	11	11	...	1	1	77
Gilbert	33	11	19	...	6	6	77
Greetham	12	...	5	...	1	1	33
Great Newton	12	...	4	...	...	...	17
Hankin	9	...	4	...	...	...	12
Hopwood	39	12	21	...	4	4	45
Hornby	236	118	102	7	21	14	441
Hedley	105	91	11	...	12	12	132
Hare Place	33	27	3	...	2	2	15
Holly	17	10	3	...	3	3	55
Hunter	13	...	6	...	1	1	9
Harrison	20	13	4	...	1	1	29
Highfield	29	12	17	...	...	...	31
Henry Edward	56	34	10	...	1	1	156
Hockenhall Alley	7	6	...	...	...	...	25
Hodson	27	17	6	...	1	1	138
Hilbre	20	...	3	...	3	3	37
Hawke	25	16	6	...	3	1	102
Harford	6	...	4	...	...	...	20
Hanley	12	...	5	...	5	5	28
Hotham	12	...	6	...	4	4	27
Idris	5	...	3	...	1	1	19
Islington	6	...	4	...	1	1	9
Johnson	19	14	...	...	5	5	55
Jones	15	7	...	...	1	1	33
Jasper	4	...	3	...	...	...	12
Jamaica	8	8	...	...	...	...	5
Jordan	59	11	30	4	8	8	140
Kew	43	33	9	...	5	5	85
Kent	15	6	..	...	1	1	48
Knight	5	...	3	...	2	2	20
Kitchen	65	43	15	...	6	6	129
Limekiln Lane	71	55	12	...	7	7	98
Latimer	19	9	8	...	2	2	33

STREET.	Zymotic Diseases, including Fever Scarlatina and Small Pox.	Fever and Relapsing Fever.	Small Pox.	Scarlatina.	Tubercular Diseases, including Phthisis.	Phthisis.	Other Diseases.
Louis	4	...	4	...	...	...	2
Landor	9	...	8	...	1	1	19
Lincoln	12	12	...	...	...	...	6
Love Lane	4	...	3	...	1	1	9
Lambert	22	7	8	...	5	5	56
London Road	5	...	4	...	...	...	2
Lionel	29	18	8	...	1	1	30
Lower Myrtle	16	15	...	...	1	...	24
Lower Milk	8	7	...	...	1	1	26
Leeds	20	9	8	...	...	...	52
Lace	38	22	4	...	4	4	139
Leander	16	10	...	...	...	...	22
Leece	4	...	3	...	2	2	6
Lydia Ann	6	...	5	...	1	1	13
Mile End	19	12	6	...	...	...	18
Mould	11	9	...	...	...	...	7
Menai	13	...	8	...	2	2	66
McKee	10	6	...	...	2	2	26
Mansfield	20	8	11	...	2	2	70
Myrtle View	17	12	4	...	2	1	4
Maguire	37	29	6	...	4	4	52
Marybone	13	8	...	...	...	...	13
Milton	76	62	12	...	5	5	127
Marlborough	28	15	7	...	3	3	50
Midghall	35	27	7	...	4	4	134
Maiden's Green	10	8	...	...	...	...	7
Maghull	10	7	...	...	...	...	16
Newsham	71	59	8	...	6	6	89
Nursery	3	...	3	...	...	...	12
Nash Grove	60	48	3	...	6	5	51
Naylor	65	48	15	...	3	3	75
North	86	53	33	...	2	1	98
Norman	17	6	4	...	11	11	68
Norris	14	9	5	...	...	...	11
New Hall	17	...	8	...	...	...	64
Norfolk	49	26	18	...	5	4	97
Orry	19	19	...	...	...	...	1
Oriel	71	57	10	...	3	3	119
Oakes	52	26	6	...	7	7	97
Penrhyn	19	11	7	...	1	1	38
Portland	46	29	13	...	7	7	157
Paget	37	14	20	...	7	6	75
Prince's Walk	13	9	4	...	11	11	6
Pepper	6	6	...	...	1	1	14
Porter	65	64	...	...	1	1	30
Pall Mall	17	11	6	...	1	1	32
Paul	66	57	8	...	6	6	55
Plumbe	10	10	...	...	...	...	11
Prussia	20	15	5	...	...	...	15
Pownall Square	6	...	3	...	...	...	1
Primrose Hill	15	11	...	...	1	1	72
Portland Place	9	...	6	...	1	1	10
Prudhoe	10	9	...	...	...	...	5
Pembroke	30	14	7	...	...	...	48
Peach	39	30	...	...	4	2	163
Pellew	21	16	4	...	5	5	43
Pitt	26	6	18	...	3	2	67

STREET.	Zymotic Diseases, including Fever Scarlatina and Small Pox.	Fever and Relapsing Fever.	Small Pox.	Scarlatina.	Tubercular Diseases, including Phthisis.	Phthisis.	Other Diseases.
Pownall	4	...	4	...	1	1	21
Park Lane	16	6	9	...	1	1	28
Parliament	17	12	5	...	1	1	19
Queen Anne	12	6	4	...	2	2	57
Raymond	118	63	32	...	6	6	182
Raglan	10	9	...	...	7	7	9
Rachel	237	220	10	...	9	8	108
Regent	73	63	10	...	3	3	37
Regent Road	4	...	3	...	...	...	4
Ray	12	...	10	...	1	I	12
Richmond Row	45	32	11	...	3	3	74
Rose Place	56	39	12	...	8	8	80
Rose Hill	8	8	...	...	...	...	20
Redmond Place	11	8	...	...	...	...	8
Roderick	4	...	3	...	...	...	9
Rawsthorne Square	13	10	3	...	1	1	5
Russell	6	...	3	...	...	...	6
Russell place	10	...	4	...	4	4	42
Rupert Place	5	...	3	...	...	...	29
Roscoe Lane	13	...	6	4	1	1	39
Raffles	13	9	...	...	...	...	20
Rathbone	33	20	8	...	...	...	70
Saint Martin	03	58	32	...	6	6	166
Scotland Road	46	33	12	...	3	3	35
Silvester	38	21	16	...	5	5	73
Skirving	23	6	16	...	...	...	25
Saltney	121	109	12	...	2	1	106
Shadwell	7	6	...	...	1	1	19
Sherwood	86	82	...	...	...	...	101
Slade	30	15	15	...	8	8	53
Sand	49	38	8	...	6	6	68
Snowdon	8	6	...	...	4	2	47
Seacombe Lane	11	6	4	...	...	...	4
Saint Anne	26	13	7	...	7	6	38
Soho	6	...	3	...	2	2	41
Spring Place	33	22	10	...	...	...	34
Springfield	8	...	4	...	...	...	6
Sir Thomas' Buildings	9	8	...	...	...	...	10
Summer Seat	11	5	6	...	1	1	17
Smithfield	20	11	6	...	...	...	27
Sawney Pope	78	55	14	...	6	6	183
Standish	12	9	...	...	...	...	79
Stockdale	72	53	18	...	1	1	111
Saint Andrew	95	31	27	3	4	3	251
Seagrave	12	...	8	...	1	1	28
Silver	15	13	...	...	...	...	23
Shaw's Alley	14	...	7	...	...	...	33
Sparling	15	...	7	...	1	1	55
Summer	8	...	3	...	1	1	7
Saint James	11	7	3	...	2	2	43
Simpson	43	34	4	...	7	6	60
Tatlock	62	31	27	...	9	9	116
Tenterden	18	12	4	...	...	...	33
Titchfield	35	25	8	...	6	6	110
Townsend	11	...	9	...	...	...	10
Tindall	45	37	5	...	4	4	39
Thurlow	26	11	9	...	4	4	46

STREET.	Zymotic Diseases, including Fever Scarlatina and Small Pox.	Fever and Relapsing Fever.	Small Pox.	Scarlatina.	Tubercular Diseases including Phthisis.	Phthisis.	Other Diseases.
Torbock	17	6	10	...	...	...	17
Thomas	17	...	10	...	3	3	127
Trueman	39	30	5	...	...	...	100
Trowbridge	50	18	7	...	6	6	76
Upper Milk	6	...	3	...	2	2	20
Upper Frederick	84	40	28	...	15	15	201
Upper Pitt	3	...	3	...	...	...	9
Upper Pownall	12	...	7	...	...	...	15
Vauxhall Road	45	24	18	...	5	5	66
Virgil	9	7	...	...	1	1	14
Vernon	24	17	5	...	3	3	47
Woodstock	43	18	21	...	5	5	84
Wright	63	31	26	...	10	10	101
Walmsley	12	6	3	...	2	...	38
Whitley	56	41	12	...	...	...	72
Wellington	22	21	...	...	2	2	7
Wilton	3	...	3	...	...	...	30
Wigan	11	9	...	...	1	1	6
Westmoreland	27	13	14	...	2	1	31
Westmoreland Place	3	...	3	...	1	1	3
White Mill	13	12	...	...	1	1	8
Warren	40	10	17	...	5	3	91
Watkinson	34	15	14	...	4	4	107

The Medical Officer is indebted to the kindness of Mr. Hagger, Vestry Clerk, for the following valuable Tables :—

PARISH OF LIVERPOOL.

Return of Infectious Diseases, &c., in Workhouse Hospital.

1871. Week Ending.	TYPHUS.					SIMPLE CONTINUED.					RELAPSING FEVER.					SMALL POX.					MEASLES.					SCARLATINA.				
	No. at commencement of week.	Admitted.	Discharged.	Died.	Remaining at end of week.	No. at commencement of week.	Admitted.	Discharged.	Died.	Remaining at end of week.	No at commencement of week.	Admitted.	Discharged.	Died.	Remaining at end of week.	No. at commencement of week.	Admitted.	Discharged.	Died.	Remaining at end of week.	No. at commencement of week.	Admitted.	Discharged.	Died.	Remaining at end of week.	No. at commencement of week.	Admitted.	Discharged.	Died.	Remaining at end of week.
Jan. 7..	16	5	2	3	16	2	..	2	..	..	756	150	163	12	731	70	45	22	6	87	25	16	12	6	23	6	..	1	..	5
„ 14..	16	7	4	1	18	..	2	2	..	..	761	163	205	13	676	87	72	36	10	113	23	9	5	8	19	5	..	3	..	2
„ 21..	18	9	..	2	25	..	..	..	..	..	676	152	189	10	629	113	46	32	18	109	19	6	12	2	11	2	3	5	..	..
„ 28..	25	10	10	2	23	..	..	..	..	..	629	116	179	11	555	109	69	37	8	133	11	3	4	5	5	..	1	1	..	..
Feb. 4..	23	1	2	4	18	..	..	..	..	..	555	123	179	15	484	133	65	30	13	150	5	6	4	2	5	..	1	1	..	..
„ 11..	18	4	5	..	17	..	..	..	..	..	484	184	172	6	440	150	105	38	17	200	5	5	3	1	6	..	2	2	..	..
„ 18..	17	8	5	1	19	..	..	..	..	..	440	113	133	8	412	200	111	65	19	227	6	3	2	2	5	..	2	2	..	..
„ 25..	19	9	4	4	20	..	..	..	..	..	412	88	133	6	361	227	96	67	38	218	5	..	..	5	..	..	1	1	..	..
March 4..	20	6	7	..	19	..	..	..	..	..	361	79	143	5	292	218	91	76	12	221	..	3	..	..	3	..	..	..	..	..
„ 11..	19	8	3	1	23	..	..	..	..	..	292	66	100	1	257	221	92	64	16	233	3	2	..	..	5	..	..	..	..	..
„ 18..	23	8	7	1	23	..	..	..	..	..	257	82	116	3	220	233	57	60	17	213	5	4	1	1	7	..	2	..	..	2
„ 25..	23	10	6	2	25	..	..	..	..	..	220	44	85	1	178	213	51	48	13	203	7	..	6	1	..	2	1	..	..	3
April 1..	25	5	2	3	25	..	..	..	..	..	178	64	79	4	159	203	47	54	13	183	..	..	..	..	..	3	..	..	..	3
„ 8..	25	8	10	2	21	..	..	..	..	..	159	56	88	2	125	183	78	39	13	209	..	1	..	..	1	3	..	..	..	3
„ 15..	21	8	5	..	24	..	..	..	..	..	125	44	33	1	135	209	66	42	10	223	1	2	1	..	2	3	1	3	..	1
„ 22..	24	22	6	6	34	..	..	..	..	..	135	51	67	2	117	223	49	47	17	208	2	3	..	..	5	1	1	..	..	2
„ 29..	34	14	8	6	34	..	..	..	..	..	117	53	48	3	119	208	67	58	7	210	5	..	1	..	4	2	2	..	1	3
May 6..	34	4	4	2	32	..	..	..	..	..	119	38	57	2	98	210	23	41	15	177	4	..	..	..	4	3	1	1	..	3
„ 13..	32	11	7	2	34	..	..	..	..	..	98	41	46	5	88	177	52	38	12	179	4	1	2	..	3	3	..	2	..	1
„ 20..	34	10	9	2	33	..	..	..	..	..	88	54	53	1	88	179	37	46	9	161	3	..	3	..	..	1	1	..	..	2
„ 27..	33	10	12	3	28	..	..	..	..	..	88	50	53	1	84	161	37	50	7	141	..	..	..	..	..	2	..	..	..	2
June 3..	28	10	9	2	27	..	..	..	..	..	84	55	56	4	79	141	35	35	4	137	..	1	..	..	1	2	..	1	..	1
„ 10..	27	20	10	6	31	..	..	..	..	..	79	41	39	1	80	137	30	27	8	132	1	1	..	..	2	1	1	..	..	2
„ 17..	31	10	14	1	26	..	..	..	..	..	80	29	45	2	62	132	39	42	11	118	2	2	1	1	2	2	9	..	..	11
„ 24..	26	14	9	1	30	..	..	..	..	..	62	40	35	2	65	118	31	26	2	121	2	..	..	..	2	11	2	2	..	11
July 1..	30	17	5	1	41	..	..	..	..	..	65	54	36	1	82	121	14	24	3	108	2	5	1	..	6	11	..	5	..	6
„ 8..	41	9	14	2	34	..	..	..	..	..	82	43	44	3	78	108	32	34	2	104	6	..	1	1	4	6	1	..	..	7
„ 15..	34	5	13	3	23	..	..	..	..	..	78	66	48	..	96	104	20	15	4	105	4	2	3	..	3	7	3	4	2	4
„ 22..	23	16	9	3	27	..	..	..	..	..	96	55	59	1	91	105	23	19	6	103	3	1	..	..	4	4	..	1	..	3
„ 29..	27	15	5	2	35	..	..	..	..	..	91	40	52	1	78	103	18	18	5	98	4	..	3	..	1	3	..	2	..	1
Aug. 5..	35	6	9	..	32	..	..	..	..	..	78	67	47	2	96	98	16	26	1	87	1	..	1	..	..	1	..	1	..	..
„ 12..	32	14	13	..	33	..	20	..	..	20	96	51	73	1	73	87	9	19	3	74	..	1	..	..	1	..	..	..	..	..
„ 19..	33	9	10	2	30	20	13	9	1	23	73	35	44	2	62	74	9	21	2	60	1	3	..	..	4	..	..	..	..	..
„ 26..	30	6	8	1	27	23	10	18	..	15	62	38	31	1	68	60	8	19	1	48	4	1	4	..	1	..	..	..	..	..
Sept. 2..	27	3	9	4	17	15	20	6	..	29	68	27	20	1	74	48	7	12	3	40	1	..	1	..	..	..	1	..	..	1
„ 9..	17	6	10	..	13	29	20	15	..	34	74	29	38	..	65	40	3	7	1	35	..	1	..	..	1	1	..	..	..	1
„ 16..	13	3	3	3	10	34	21	24	1	30	65	44	27	1	81	35	5	12	..	28	1	..	1	..	..	1	..	..	..	1
„ 23..	10	3	3	1	9	30	30	23	1	36	81	47	34	1	93	28	4	9	3	20	..	..	..	..	..	1	2	..	..	3
„ 30..	9	5	2	1	11	36	32	14	..	54	93	34	30	7	90	20	5	6	1	18	..	..	..	..	..	3	2	1	..	4
Oct. 7..	11	3	6	1	7	54	20	31	..	43	90	72	50	4	108	18	1	6	2	11	..	..	..	..	..	4	..	..	..	4
„ 14..	7	9	1	3	12	43	22	20	..	45	108	37	39	1	105	11	5	3	..	13	..	..	..	..	..	4	..	4	..	..
„ 21..	12	12	2	1	21	45	22	13	..	54	105	35	45	3	92	13	9	3	3	16	..	..	..	..	..	..	..	..	..	..
„ 28..	21	6	2	3	22	54	20	22	..	52	92	55	36	3	108	16	8	4	..	20	..	1	..	..	1	..	..	..	..	..
Nov. 4..	22	9	4	2	25	52	20	20	..	52	108	34	46	2	94	20	3	5	1	17	1	..	1	..	..	..	..	..	..	..
„ 11..	25	2	3	1	23	52	8	12	..	48	94	36	43	1	86	17	5	2	..	20	..	..	..	..	..	..	..	..	..	..
„ 18..	23	15	5	4	29	48	14	20	..	42	86	58	41	2	101	20	4	6	..	18	..	6	1	3	2	..	..	..	..	..
„ 25..	29	9	6	5	27	42	3	35	..	10	101	39	34	1	105	18	4	5	..	17	2	2	2	..	2	..	..	..	..	..
Dec. 2..	27	14	6	7	28	10	5	3	..	12	105	30	20	2	104	17	1	8	1	9	2	1	2	..	1	..	..	..	..	..
„ 9..	28	2	5	2	23	12	2	3	..	11	104	35	56	..	83	9	1	1	..	9	1	2	..	2	1	..	..	..	..	..
„ 16..	23	22	12	2	31	11	4	3	..	12	83	34	38	1	78	9	3	..	1	11	1	2	..	2	1	..	..	..	..	..
„ 23..	31	18	5	3	41	12	3	6	..	9	78	33	44	..	67	11	2	4	..	9	1	2	..	1	2	..	..	..	..	..
„ 30..	41	10	7	7	37	9	2	4	..	7	67	42	33	..	76	9	1	..	1	9	2	2	2	..	2	..	..	..	..	..

The above Return includes cases at Kirkdale, Ashfield Street, and West Derby Road Branches.

PARISH OF LIVERPOOL.

Return of Persons in Receipt of Relief in the Year 1871.

Week ending.	Work-house.	Industrial Schools.	Out Relief.	Week ending.	Work-house.	Industrial Schools.	Out Relief.
1871.				1871.			
January 7...	3809	1273	11173	July 8...	2442	1085	8416
,, 14...	3817	1260	10738	,, 15...	2422	1065	8392
,, 21...	3718	1262	10403	,, 22...	2467	1068	8510
,, 28...	3621	1280	10530	,, 29...	2485	1057	8476
February 4...	3611	1267	10572	August 5...	2449	1067	8364
,, 11...	3558	1258	10281	,, 12...	2384	1052	8284
,, 18...	3538	1261	10150	,, 19...	2369	1061	8260
,, 25...	3445	1245	10003	,, 26...	2381	1065	8286
March 4...	3360	1219	9966	September 2...	2411	1046	8260
,, 11...	3308	1217	9877	,, 9...	2367	1074	8226
,, 18...	3222	1230	9883	,, 16...	2371	1070	8273
,, 25...	3115	1218	9686	,, 23...	2399	1049	8242
April 1...	3054	1191	9468	,, 30...	2420	1044	8194
,, 8...	2963	1183	9355	October 7...	2421	1025	8222
,, 15...	3020	1201	9294	,, 14...	2450	1022	8234
,, 22...	2930	1213	9263	,, 21...	2451	1031	8161
,, 29...	2886	1175	9188	,, 28...	2508	1027	8158
May 6...	2729	1155	9070	November 4...	2506	1024	8121
,, 13...	2705	1155	9021	,, 11...	2534	1030	8216
,, 20...	2677	1160	9060	,, 18...	2559	1030	8313
,, 27...	2625	1131	8987	,, 25...	2556	1030	8312
June 3...	2565	1101	8839	December 2...	2559	1040	8335
,, 10...	2515	1124	8622	,, 9...	2563	1041	8389
,, 17...	2459	1107	8731	,, 16...	2608	1057	8228
,, 24...	2459	1104	8685	,, 23...	2621	1046	8259
July 1...	2442	1098	8575	,, 30...	2597	1050	7815

These show that the average number of persons suffering from Typhus at one time in Hospital during the year 1871, was 24, and their per centage death-rate 24·4; the average number of Simple Continued Fever Cases at one time in Hospital (from August 12th) was 30, and their per centage death-rate 1·0; the average number of cases of Relapsing Fever, at one time in Hospital during the year 1871, was 177, and their per centage death-rate was 4·2; the average number of cases of Small Pox, at one time in Hospital during the whole year was 104, and their per centage death-rate was 20·4; the average number of cases of Measles at one time in Hospital during the year was 3, and their per centage death-rate was 34·4; the average number of cases of Scarlatina at one time in Hospital, during the year was 2, and their per centage death-rate was 6·5.

The number of persons in receipt of Parochial Relief on Saturday, the 1st July, 1871, was 12,115, or 2,019 less than at the corresponding period of 1870, and the number on Saturday, the 30th December, was 11,462, or 3,910 less than at the same period of 1870.

SANITARY WORK.

Classification of Privies Certified for Conversion into Water Closets, from January to December, 1871, both months inclusive.

Cause of Certificate.	Districts.								
	Saint Martin's.	Dale Street.	Islington.	Saint George's.	Mount Pleasant.	Everton and Kirkdale.	West Derby.	The Toxteths.	TOTAL.
Privies adjoining House Walls	3	1	2	1	4	8	17	6	42
Privies situated inside Houses and beneath inhabited Apartments	...	...	...	1	1	1	...	1	4
Privies emptied through Yards of other Houses	...	...	1	...	...	...	...	...	1
Privies emptied through Courts	1	...	...	...	...	...	...	...	1
Privies close and confined and adjoining fire-places	...	...	...	...	...	...	1	...	1
Privies situated within 3 feet of windows of rooms	...	...	...	...	...	1	...	2	3
Privies situated beneath bedrooms	2	...	...	...	...	...	2	...	4
Privies emptied upon footpath of street	...	...	...	...	...	18	...	...	18
Tunnel Middens	...	...	...	...	...	4	...	...	4
Total	6	1	3	2	5	32	20	9	78

LODGING-HOUSES.

The Health Committee have, since the passing of the Sanitary Act, 1866. uled that, as far as possible, all registered lodging-houses should have a day apartment for the accommodation of their lodgers, and that all houses where single rooms were occupied by day and night should be registered as sub-let. The space required for a night lodger in a registered lodging-house is 300 cubical feet, while the space in a sub-let house for each adult is 350 feet. The effect of this arrangement is to lessen the number of registered lodging-houses.

There were on the register 1,134 lodging-houses at the end of 1870, and 1,104 at the end of 1871. This difference was occasioned by the removal of 281 old licenses and the addition of 251 new ones. The visits to lodging-houses are both by day and night. The lodging-houses of the better class, and especially those provided only with single beds for each person, and only with the number of beds equivalent to the number of lodgers allowed, are not visited at night except on grave suspicion or on complaint, or in the case of foreign emigrant lodging-houses. The night visits are pretty nearly restricted to the low districts and tramp houses. The number of day visits paid during the year was 46,329, and the night visits 5,986. The number of lodging-houses found overcrowded on the night visits was 26; the number of informations laid for breaches of the bye-laws was 69, with the results of fines in 64 cases to the extent of £16 15s., in sums varying from 1s. to 20s. and costs. The number of lodging-houses found dirty was 361; notices were served to limewash and cleanse.

It is necessary frequently to visit houses which are not licensed either as lodging or sub-let houses, especially when emigration is brisk, or at race times. There were 1,641 such visits paid during the day, and in 51 of the cases where suspicion was confirmed they were followed up by night visits. A tenant harbouring lodgers is not taken before the Justices for the first offence, but is noticed to have his rooms measured and licensed. There were 300 such notices issued during the year, but in only 5 cases did the tenants refuse to comply; they were brought before the Justices, four were fined, and in one case the information was withdrawn as the tenant had made the necessary application after the issuing of the summons. A bye-law requires that every case of infectious sickness in a lodging-house should be at once reported to the Medical Officer of Health. 129 cases of Fever and 132 cases of Small Pox occurred in lodging-houses; in 199 of the cases the patients were at once sent to Hospital, the remaining 62 (including 39 of Small Pox, and 23 of Fever) being members of the keepers' families, were not removed; 4 of the cases of Fever and 18 of the cases of Small Pox which were not removed to Hospital died. In all cases of infectious disease the bedding was at once removed to the disinfecting apparatus, and the rooms purified and cleansed; in the 62 cases where the patients remained, the licenses to receive lodgers were suspended by the Medical officer. No lodger died from Fever or Small Pox in a registered lodging-house; but not including the 22 cases of Fever and Small Pox, there were 110 deaths from non-contagious diseases in lodging-houses, of which 94 belonged to the keepers' families and 16 were lodgers.

SUB-LET HOUSES REGISTERED UNDER THE SANITARY ACT OF 1866.

The number of sub-let houses on the Registry at the termination of 1870 was 8,803; the number registered during 1871 was 477, making the total on the register on the 31st December, 9,280. The number of visits paid during the night was 11,943, and during the day 47,870, with the result of finding 1,236 rooms overcrowded. In addition to overcrowding, the offence (though not punishable in sub-let houses) of permitting adult males and females not married to occupy the same room, comes under the notice of, and is entered in the books of the Inspectors. There were 550 rooms thus indecently occupied by 799 males and 1,022 females, besides having also in these rooms 506 children between the ages of 5 and 13 years.

Informations were laid against 932 chief tenants for permitting overcrowding in rooms with the following results:—634 were fined 1s. and 1s. costs; 168 fined 2s. 6d. and 2s. 6d. costs; 46 fined 5s. and costs.; 18 fined 10s. and costs; 12 fined 20s. and costs; and 6 fined 40s. and costs, making a total of fines levied during the year of £168 7s. 0d. Of the remaining 48

cases, 23 informations were withdrawn, the tenants having abated the overcrowding; in 25 cases the tenants were acquitted—the majority because it was the first offence, and the remainder because of their poverty, and their promise not again to offend.

WORKSHOPS.

The duty of enforcing the provisions of the Workshop Act was, in August 1871, transferred from the local authority to the Inspectors, and Sub-Inspectors of Factories; but until that period visits were paid by a Health Inspector to workshops upon receipt of complaints. 6 visits were thus paid and in 4 cases, where there was a breach of the Saturday half-holiday the employers were brought before the Justices, and fined in penalties varying from 2s. 6d. to 60s. and costs. The amount of fines was £4 8s. 6d.

BAKEHOUSES.

923 day visits and 1,022 night visits have been paid to Bakehouses during the year. 16 informations were laid for working young people below the age of 18 years, between the hours of 9 p.m. and 5 a.m. In 14 cases penalties varying from 1s. and 1s. costs to 20s. and costs, and making a total of £5 11s. were inflicted. In 2 cases the employers were acquitted, being the first offence. 56 Bakehouses were found dirty and notices were served to limewash and cleanse them.

LICENSES FOR CATTLE.

During the year 1871, 20 applications for Licenses to keep 170 cows were made to and granted by the Health Committee; these, in addition to premises previously licensed, make up the number to 565 shippons, capable of containing 5,592 cows. 35 of the premises previously licensed have been transferred to fresh tenants. In 68 of the shippons, pigs are also allowed to be kept; in 61 of them, only 2 pigs each; in 6, 4 pigs; and in 1, 5 pigs.

61 applications were made during the year to keep pigs in styes separate from and unconnected with shippons; 21 of these applications, for keeping 47 pigs, were granted. The total number of premises or styes now licensed in the Borough (excluding shippons) is 302, for keeping 926 pigs.

MORTUARIES.

By the 27th section of the Public Health Act, 1866, the Nuisance Authority is empowered "to provide a Mortuary or proper place for the reception of bodies, dead, of infectious disease, which are detained in any room in which persons live or sleep, and of bodies which are in such a state as to endanger the health of the inmates of the house, or room in which they are kept. The removal of the body must be by order of the Justice on the certificate of a legally qualified medical practitioner, and the Justice is also empowered to direct the body to be buried in a time to be limited in such order; and then, unless the friends or relations of the deceased bury the body within the time so limited, it shall be the duty of the Relieving Officer to bury such body, but any expense so incurred, may be recovered by the Relieving Officer in a summary manner from any person legally liable to pay the expense of such burial."

Experience in the Small Pox epidemic showed the all-importance of this legal power, and induced the Council to put into operation the provisions of the Act. As a large proportion of the families of our population, live and sleep in single room habitations, it necessarily happened that in a number of cases the living were obliged to be by night and day in the presence of the dead from this loathsome and contagious disease. No language can be too strong to depict the horror of such a condition, its demoralising effect on the relatives of the deceased, and its intense danger both to them and the community. No care could altogether remove such danger, but when not even the most ordinary precautions were taken by the families of the deceased, to limit the spread of the infection—when wakes were held over the dead in the overcrowded room—when drunken persons lay down at night to sleep on the same bed with the corpse, and rose, unwashed in the morning, to mingle with the general population, it naturally caused a justly founded alarm among the people of the neighbourhood. There was no reluctance on the part of the Parochial Authorities to undertake, whenever it was practicable, the removal to Hospital of the sufferers of infectious disease, or to bury the dead from Small Pox at the cost of the Poor Rates, when either from refusal of the patients or their friends, such removal had not taken place, and when the Relieving Officer had satisfied himself that the relatives had it not in their power to bury the corpse. It however was only under the precise conditions of the Act of 1866 that either the removal of the sick or the immediate burial of the dead could be made compulsory, and those conditions were not fulfilled so long as the Council of the Borough were without Mortuaries and without any

arrangement for Hospital accommodation. It was therefore determined by the Health Committee to provide three Mortuaries as required by the law; one to be situated in the Parish; one in West Derby; and one in Toxteth Park. The Mortuary for the Parish was erected in St. Martin's Churchyard. There was some slight difficulty in the choice of proper localities for the Mortuaries of Toxteth Park and West Derby; but that difficulty was at once removed by the kindness of the Burial Board of the Parish placing at the service of the Health Authorities of the Borough an Arcade in Anfield Cemetery; and by the offer of the Toxteth Burial Board to permit the Council to erect a Mortuary in Smithdown Lane Cemetery. As both these Cemeteries are situated outside the Borough, it became necessary to obviate by arrangement any legal objections which might hereafter be raised by the Relieving Officers of the several districts. This matter was brought by the Health Committee before the notice of the Guardians of the West Derby and Toxteth Unions, and they at once agreed "that they would give every facility for the removal and burial of corpses of persons dying within those parts of the Borough, situated in their Unions, and with regard to which Magisterial orders had been obtained under the 27th Section of the Sanitary Act 1866, and that no objection would be taken that the Mortuary in which any corpse has been deposited is not within the Township in which the person died." The Mortuaries having been provided, it was at first arranged that the cost of the compulsory removal should be paid by the Council, but the work should be done by the staff of the several Parishes. This arrangement however was soon found not to answer, and then the Council purchased a hearse, and obtained contracts for the supply of coffins, and took into their own hands the whole management of the removal of the bodies to the Mortuaries. As the working of the system of compulsory removal to a Mortuary is new, and to a certain extent experimental, it will perhaps not be considered tedious and prolix to give a short detail of all the cases which were removed by orders of the Justices on the certificate of the Medical Officer of Health.

In most of the following cases; indeed in all instances of infectious disease attended by the parochial medical men, when the family lived in the same room with the sick, efforts were made both by the relieving and health officers, to have the patients removed to hospital; but too frequently the sufferers were either too young or too weak to justify compulsory removal against the determined wishes of their parents or relatives. In many cases no application was made for medical aid, and no intimation of the sickness sent to the parochial officers until the patients were moribund. The very fear of having their children forcibly removed to hospital was unfortunately an inducement for keeping secret the existence of sickness until too late for medical relief.

Date.	No.	Street.	Description.	Remarks.
March.				
1st	15	Beresford Road	Child—Small Pox...	Family live and sleep in same room, preparations for a wake.
,,	8	Stockdale	Young Woman do...	A child suffering from same disease, family live and sleep in same room.
,,	15 in 5 Court	Prussia	Girl do...	Family live and sleep in same room.
,,	4 in 1 Court	Stockdale	Man do...	Ditto ditto
3rd	30	Gibraltar Row	Child do...	Ditto ditto
4th	13 Cellar	Newport	Do. do...	Family and lodger live and sleep in cellar.
6th	6 in 10 Court	Pall Mall	Girl do...	Parents live in same room.
8th	1 in 2 Court	North	Do. do...	Family live and sleep in same room.
11th	10 in 1 Court	Crow	Child do...	Ditto ditto
13th	54 Cellar	Warren	Two Children do...	Two other children ill of same disease and family live and sleep in cellar.
15th	2	Epsom	Child do...	Family live and sleep in same room.
17th	4 in 1 Court	Sawney Pope	Woman do...	Ditto ditto
18th	3	Broom	Girl do...	Ditto ditto
22nd	42	Jordan	Woman do...	Body offensive, but not kept in occupied room.
31st	81	Westmoreland Place	Girl do...	Ditto ditto
April.				
4th	12	Rachel.....	Woman do...	Family live and sleep in same room, and several drunken people were lying upon floor at the time of removal of the body.
,,	82	Victoria	Girl do...	Family live and sleep in same room.
,,	7	Clyde	Man do...	Body offensive, but not kept in occupied room.
6th	6 Cellar	Star	Girl do...	Another child ill of same disease, and family live and sleep in cellar.
11th	68	Hornby	Woman—Fever.....	Body offensive, but not in an occupied room.
12th	72	Gilbert	Man—Small Pox ...	Family live and sleep in same room.
,,	107	Henderson	Boy do. ...	Ditto ditto
14th	41	Carlton	Woman do. ...	Ditto ditto
,,	41	Northumberland ..	Boy do. ...	Body offensive, but not in an occupied room.
18th	9	Cyrus Square.....	Child do. ..	Family live and sleep in same room.
,,	31	Fisher	Do. do. ...	Family and a lodger live and sleep in same room.
22nd	11 Cellar	Bower	Do. do. ...	A large family, consisting of several children, live and sleep in cellar.
25th	13 Cellar	Star	Do. do. ...	Family live and sleep in cellar.
26th	1	Roger	Do. do. ...	Family live and sleep in same room.
27th	5 in 3 Court	Prince William	Do. do. ...	Ditto ditto
28th	5	Wolfe	Do. do. ...	Ditto ditto
,,	33 Cellar	Bembridge	Woman do. ...	Family live and sleep in cellar.
May.				
4th	4 in 2 Court	Gore.....	Child do. ...	Family live and sleep in same room.
9th	5 in 3 Court	Prince William	Do. do. ...	Family live and sleep in same room, the second child removed from this house.
15th	11 in 1 Court	Gascoyne.....	Girl do. ...	Family live and sleep in same room, the attention of Inspector was called to this case by the holding of a wake, and the presence of a number of drunken people at it.
15th	19	Fleet	Woman ...	The disease not infectious, but body was offensive, family live and sleep in same room.

Date.	No.	Street.	Description.	Remarks.
May.				
15th	27	Paxton	Child—Small Pox	Family live and sleep in same room.
17th	3 in 1 Court	Arley	Man—Fever	Widow slept in same bed with corpse, and was drunk at the time of its compulsory removal.
19th	4 in 1 Court	Eaton	Child—Small Pox	Family live and sleep in same room.
,,	4 in 2 Court	Brindley	Do. do.	Ditto ditto
,,	2 Cellar	Skirving	Do. do.	Family live and sleep in cellar.
,,	2 in 6 Court	Fernie	Do. do.	Family live and sleep in same room.
20th	6 in 2 Court	Gore	Do. do.	Ditto ditto
24th	13	Milton	Man do.	Child ill of same disease, and family live and sleep in same room.
25th	1 in 1 Court	Whitley	Child do.	Family live and sleep in same room.
,,	13	Milton	Do. do.	Family live and sleep in same room, second body removed from this house.
26th	34	Rutter	Boy do.	Family live and sleep in same room.
30th	30	Christopher	Girl do.	Ditto ditto
,,	5 in 14 Court	Naylor	Boy do.	Ditto ditto
,,	11 Cellar	Skirving	Man do.	Widow and several children live and sleep in cellar.
31st	4 in 5 Court	Gascoyne	Boy do.	Family live and sleep in same room.
,,	1 Cellar	Back Grafton	Man do.	Family live and sleep in cellar.
June.				
1st	4 in 14 Court	Rathbone	Woman—Fever	Three Women live and sleep in same room.
3rd	14	Upper Milk	Man—Small Pox	Family live and sleep in same room.
7th	75	Collingwood	Woman do.	Ditto ditto
,,	25	Gildart's Gardens	Girl do.	Ditto ditto
9th	57	Pitt	Child do.	Another child ill of same disease, and family live and sleep in same room.
13th	46	Henry Edward	Boy do.	Family live and sleep in same room.
26th	46	Dinorben	Child do.	Another child ill of same disease, and family live and sleep in same room.
29th	46	Dinorben	Do. do.	Family live and sleep in same room.
July.				
2nd	6 in 14 Court	St. Andrew	Do. do.	Ditto ditto
9th	8 in 2 Court	Naylor	Man do.	Family live and sleep in same room, preparations for a wake.
19th	3 in 9 Court	Primrose Hill	Child do.	Another child ill of same disease, and family live and sleep in same room.
,,	4 in 13 Court	Bostock	Do. do.	Family live and sleep in same room.
29th	5 in 38 Court	Paul	Do. do.	Family live and sleep in same room, preparations for a wake.
Aug.				
1st	3 in 9 Court	Primrose Hill	Do. do.	Family live and sleep in same room. This is the second child removed; the father had violently resisted the removal of the children to hospital.
2nd	1 Cellar	Ascot	Man	The disease not infectious, but the body was offensive.
12th	1 in 4 Court	Comus	Woman	The disease not infectious, but the body was offensive, and was retained for the purpose of a wake, which continued for several days and nights, and at time of removal several persons were lying drunk upon the floor.

Date.	No.	Street.	Description.	Remarks.
Aug.				
16th	34 Cellar	Holden	Child—Small Pox...	Family live and sleep in cellar,
18th	6 in 8 Court	Bond	Do. do. ...	Family live and sleep in same room.
21st	21	Gascoyne	Do. do. ...	Ditto ditto
,,	16	Wellington	Woman do. ...	Ditto ditto
,,	18	Ennerdale	Child	The disease not infectious, but the body was offensive, family live and sleep in same room; preparation for a wake.
31st	1 in 5 Court	Prince William	Child	The disease not infectious, but the body offensive, had been retained for the purpose of a wake, and at time of removal father and lodger were lying drunk upon the floor.
Sept.				
4th	1 Court	Islington	Child—Small Pox...	Family live and sleep in same room.
6th	11 Court	Wolfe	Do. Scarlatina...	Ditto ditto
22nd	7 in 1 Court	Low Wood	Child	The disease not infectious, but body offensive, had been kept for the purpose of a wake.
29th	5 in 3 Court	Lime Kiln Lane	Woman	Ditto ditto
Oct.				
2nd	17	Brick	Child—Small Pox...	Family live and sleep in same room.
13th	6	Harrison	Woman—Fever ...	The body kept several days for the purpose of a wake, and family lived and slept in same room during that time.
,,	5 in 11 Court	Ford...	Do. do. ...	Family live and sleep in same room.
17th	12 Cellar	Milton	Do. do. ...	Three women live and sleep in cellar, and a wake had been held.
,,	13	Stockdale	Man....	The disease not infectious, but body offensive. This body was kept some days, and the widow was found in bed with corpse.
20th	29	Gascoyne.....	Woman—Fever ...	Family live and sleep in same room.
26th	39	Woodstock.....	Child—Fever.....	Another child ill of same disease, and family live and sleep in same room.
Nov.				
2nd	30	Peter's Lane	Do. do. ...	Family live and sleep in same room.
,,	7 in 9 Court	Raymond	Man do. ...	Family live and sleep in same room; preparations for a wake.
17th	9 in 9 Court	Gore	Do. do. ...	Ditto ditto
Dec.				
5th	12	Gordon	Boy do. ...	Another child ill of same disease, and family live and sleep in same room.
6th	12	Gordon	Do. do. ...	Family live and sleep in same room.
7th	17	Harding	Woman do. ...	Ditto ditto
12th	25 in 5 Court	Prussia	Man do. ...	Ditto ditto
19th	13	Cavendish	Woman	The disease not infectious, but body offensive; father and three children live and sleep in same room.
30th	1	Kilin	Woman—Fever.....	Two cases of fever in the house.
,,	8	Lower Myrtle.....	Child	The disease not infectious, but body offensive; family live and sleep in same room.

In all cases of compulsory removal of the dead, a copy of the Magistrate's order is sent to the Relieving Officer of the district.

Though considerable discontent was manifested by the relatives of the deceased in many cases of the summary removal to the Mortuaries, there were only two instances (at No. 2 Epsom Street, and No. 6 in No. 14 Court St. Andrew-street) where threats were used and active resistance made to the proceedings of the Inspectors. I think therefore we may conclude that during the prevalence of a fatal epidemic, and when the fears of the public have been aroused, it will always be possible to carry into effect the compulsory power of the 27th Section of the Health Act, 1866. But the experience of periods of danger and of panic will in no respect apply to ordinary years, nor will it justify the hope that a system of compulsory removal of the dead from non-infectious disease can be easily established, and the demoralising orgies of the wake thereby prevented. There will require a more potent engine than mere sanitary supervision to effect so desirable a moral and social reform, and in order to render any reform practicable and permanent we must ensure the willing co-operation of the people themselves. However degrading the practice of Irish wakes may be, the motives which influence the chief actors of the scene are not always licentious; sometimes a wake is meant as a mark of respect and honour to the dead, and not merely a debauch for the living; sometimes it is unwillingly held because of a cowardly fear of the prejudices of the society around, very much on the same principle as families are impoverished in better classes by expensive funerals to satisfy the criticisms of neighbours. If some families could be encouraged to see that a more honourable mode of manifesting respect to their dead was to be found, in at once removing the corpse in a decently furnished coffin to a mortuary chapel, and there sanctifying their own love and grief by the holy influence of prayer and religious ritual, a great reform would be inaugurated, which would spread gradually but widely amongst the people.

The Mortuary Chapel in Collingwood Street, the foundation-stone of which was laid by the Most Rev. Dr. Goss, the Roman Catholic Bishop of Liverpool, has at length been completed; and now, with the certainty that everything which religious zeal and high personal influence can accomplish will be done by the Catholic priesthood to ensure the success of so great an experiment, we may be allowed to indulge a confident expectation that the reform of a wild and brutalizing burial custom, such as is the wake of the dead, is not far distant.

REMOVAL OF THE SICK TO HOSPITAL.

By the 26th section of the Public Health Act, 1866, it is enacted that "where a hospital or place for the reception of the sick is provided within the district of a nuisance authority, any justice may, with the consent of the superintending body of such hospital or place, by order on a certificate signed by a legally qualified medical practitioner, direct the removal to such hospital or place for the reception of the sick, at the cost of the nuisance authority, of any person suffering from any dangerous, contagious, or infectious disorder, being without proper lodging or accommodation, or lodged in a room occupied by more than one family, or being on board any ship or vessel.

The Council of the Borough are not provided with any hospital for the reception of cases of infectious disease, nor could they, without vast expense, and manifest waste of public funds, extemporize hospitals to meet the wants and requirements of a large population. Nor did the experience of even the severest epidemics, such as that of typhus in 1865, cholera in 1866, relapsing fever in 1870, and small pox in 1871, show any necessity for supplementing the action of the Select Vestry and Boards of Guardians by any municipal interference in the management of the sick. It is, indeed, very questionable whether there should, under any circumstances, be within any one district more than one Board authorised to levy rates and provide gratuitous accommodation for the sick; or whether a Municipal Authority should interfere even indirectly with the action of the Parochial Boards, and undertake responsibilities which are foreign to their usual duties. There may be, and there no doubt are, very many cases of infectious disease among classes of the population above the rank of paupers which should, for the sake of individual and public safety, be removed to hospital, and, when there, be maintained gratuitously, and that without any stigma on the respectability and self-respect of the patients. It is held by many that Workhouse Hospitals do not and cannot meet the wants of such cases, and that it is unjust to pauperise a man and his family because of unavoidable sickness. This is to my mind a proposition most incontestable. It forms the strongest plea for the erection of hospitals, separate and apart from those maintained by the Poor-law Guardians; and such hospitals should be erected by the Nuisance Authority, if, when established at the cost of the public rates, they could be kept for the use of members of the general community not being paupers. It would, however, I believe, be practically impossible by any rules or bye-laws so to separate the pauper from the industrious population as to prevent such institutions becoming rivals of, or mere substitutes for, Workhouse Hospitals. In theory, every citizen having the necessary passport of sickness would have a right to avail himself of the accommodation of a hospital built by the public rates; and any attempt of a Board of Directors to interfere

with the practical carrying out of that abstract equality of right would lead to contentions which would inevitably assume the worst aspects of political, social, and religious jealousies and animosities. The Council of Liverpool have not essayed to establish separate hospitals to be maintained by the rates; but, acting on the same principle which has hitherto guided their assistance to the medical charities, they voted £5,000 towards the erection of a hospital for infectious diseases in Everton, which had been originated by private enterprise, and is to be supported by voluntary subscriptions, and by a moderate scale of payment by the patients themselves: A private hospital thus assisted with public funds seems to me to be the best mode of carrying out the 26th Section of the Act of 1866, because the Municipal Authority could agree to pay for patients not being paupers whose removal to hospital was necessary for the public safety.

In ordinary years where only those cases of infectious disease which are found on shipboard, or occur in registered lodging-houses, or happen among foreign emigrants have to be provided for, there has hitherto been no difficulty, because the liberal kindness of the Select Vestry allows both seamen and lodgers to be received into their hospitals free of cost, and they have made arrangements with the owners of the large packet vessels engaged in the emigrant trade for the reception and maintenance of sick emigrants during their stay in Liverpool.

It may be a question worthy of consideration whether, when whole parishes or unions, or the greater part thereof, are situated within one municipal district, some arrangement for combined action, for the supply of hospitals and for the care of the sick, should not be made compulsory, and a joint Board for the purpose of combined action be established for the whole borough, as is now done in respect of the Metropolitan Asylum Board for London. Many good results would follow such an arrangement. The rates for the maintenance of the sick would be equalized over a larger district; there would be more economy and greater efficiency in management, and none of that unwise penuriousness and jealousy of the incidence of poor rates, which is said sometimes to influence rival Boards of Guardians. One, and that certainly not the least, of the benefits of such an arrangement would also be the facility with which a United Board could establish hospitals within or near to the districts which they were meant to supply. At present the nearness of a hospital to the sick can only be an accident dependent on the size of the district over which the jurisdiction of the Guardians extends. During such epidemics as those of typhus, cholera and small pox, the distance of hospitals from the residence of the sick is a fatal drawback to their usefulness. Under divided government of several Boards some peculiar anomalies are unavoidable. The sick are carried past the hospital belonging to one Authority to the hospital of another Authority at a greater distance; thus, the sick from Derby Road, Kirkdale, are carried to Mill Road, Everton, under the jurisdiction

of the West Derby Guardians, although the Kirkdale Hospital belonging to the Select Vestry is much nearer to their places of residence. Again, patients from opposite houses in the same street are carried to different hospitals, and that without any reference to the nature of their diseases or the proximity or distance of their places of residence. Thus, in Parliament Street, the houses on the south side, with even numbers, from 2 to 98, are under the jurisdiction of the Toxteth Guardians, and their sick when removed are carried to Smithdown Road Hospital, a distance of two miles; while the houses with odd numbers, from 1 to 75, and situated on the north side of the street, belong to the parish district, and their sick are removed to Brownlow Hill Workhouse, or to the Kirkdale Hospital, a distance of three miles. A Joint Board, consisting of members elected by the Council and by each Board of Guardians, would be able to systematise the work so as to prevent these anomalies. They would be able to establish numerous small hospitals conveniently placed for the reception of the sick, and they would be able to purchase and enclose open spaces for the erection of temporary hospitals during the prevalence of an epidemic sickness.

The hospitals for the sick of infectious disease belonging to the parish, and to the Guardians of Toxteth and West Derby, and available during the epidemic of Small Pox, were as follows: the permanent Parish Workhouse Hospital in Brownlow Hill, containing 160 beds in eight wards: the temporary hospitals at Kirkdale, Ashfield Street, and West Derby Road, belonging to, and also under the direction and management of the Select Vestry of the Parish, and capable of containing 950 beds:—the Union Hospital in Mill Road, belonging to the Guardians of West Derby, and having a permanent accommodation of 155 beds in six wards;—the Workhouse Hospital in Smithdown Road, belonging to the Toxteth Board, having a permanent accommodation of 60 beds in six wards, and a temporary accommodation for 133 beds in wooden annexes to the several wards. There was likewise a private hospital in Netherfield Road, assisted by private subscription, but managed to a great extent upon the self-supporting principle, containing 30 beds in ten rooms.

The Council having obtained the consent of the Parochial Boards, necessary to justify the orders of the Justices for the removal of the sick, directed their officers to assist in enforcing as far as possible the compulsory removal of patients in all cases recommended by the medical attendants. The work which was able to be done in this way, was not very great: 1stly, because the Relieving Officers were generally able to persuade the patients to go willingly to hospital: 2ndly, because where there had been unwillingness or refusal on the part of the patient or his friends, there had been such consequent delay as to render it dangerous to insist on removal. The health officers however obtained Magistrates' warrants and were able to remove 64 cases, of whom 18 were men, 13 women, and 33 young persons and children.

DISINFECTION.

The care and maintenance of the sick poor belong solely to the Parochial Boards, but in all cases of infectious disease, the Council undertook by means of their own Officers the charge of superintending the disinfection of houses, clothing, bedding, &c., and the duty of enforcing upon the owners of property the provisions of the 123rd Section of the Liverpool Sanitary Act, 1846. This was done as far as possible with systematic regularity. The Parochial Boards through their Clerks sent periodically (in the case of the Parish, daily) lists of the cases of infectious sickness removed to Hospital, or treated at the patients own residences. These lists were largely supplemented by other lists or references from private individuals, medical men, nurses, and nuisance inspectors. The Town was divided by the Medical Officer of Health into four districts. To each of three of these districts was apportioned an Inspector and a man to assist him in dragging a hand-cart, containing Sulphur and Carbolic Acid Powder—the articles used for disinfection—paper, paste and brush—necessary for the closing of windows, fire-places and doors,—and iron pipkins for the burning of the sulphur and the formation of sulphurous gas. The Inspector of the fourth district which was large and included a considerable portion of the Out-townships was supplied with a horse and cart instead of a hand-cart. At the height of the Small Pox epidemic it became necessary to add for a short time to these Inspectors, a fifth or pilot Inspector, whose duty it was to go quickly round to all cases of sickness treated at the patients houses, and to report as to those in which disinfection by sulphur would be possible. In all cases he sprinkled carbolic acid powder on the floors of the rooms daily, until recovery, removal, or death of the patients admitted the use of the sulphur fumigation. Each Inspector was supplied every morning with a list of all cases of sickness within his district. He was required to enter into his book, 1stly, the number of the house and street visited by him during the day, 2ndly, the hour at which the visit was made, and 3rdly, the number of rooms disinfected, and how disinfected—whether with sulphur or carbolic acid powder. It was imperative upon him always to use the sulphur fumigation, except where there was sickness in the house, and therefore the use of carbolic acid powder had only one interpretation, namely, that the use of sulphur was deferred. The memoranda in each inspector's book were re-entered into folios arranged for the purpose. The entries so made regulated the frequency of subsequent disinfection with carbolic acid powder until sulphur could be used.

Upon the first receipt of lists of sickness, instructions were given to the Inspector of Nuisances to issue notices to owners under the 123rd Section of the Act of 1846, and instructions were likewise given to the Superintendent of the Disinfecting Vans, and Fever-cars to have the clothes and bedding of the patients removed at once to the disinfecting apparatus.

The disinfection of rooms with sulphur was so arranged that the work of closing up the fireplaces, fastening the rooms and windows, and lighting the sulphur was finished if possible by three o'clock. The Inspector then went back on his route, removed the extinguished pots of sulphur, opened the windows freely, and allowed the sulphurous gas to escape. This arrangement gave two hours at the least for the period of fumigation. When the rooms were large and their use could be dispensed with by the family, they were not disturbed for several hours, and even allowed to be continued closed during the whole night. When this however was the case, the duty of opening the windows was left to the tenant, or members of the family, and the Inspector merely satisfied himself that every thing was safe as regards the chances and risks of fire. Three cases of contagious disease occurred among the men employed in the disinfection of houses: one was a case of Small Pox, and two were cases of Fever; the case of Small Pox, and one of the cases of Fever proved fatal.

The number of visits paid to houses by the disinfecting inspectors amounted during the year to 20,881.

The staff connected with the working of the disinfecting apparatuses, and with the removal of clothing and bedding, consists of a superintendent of the disinfecting vans and fever-cars, whose duty it is to receive orders, and to arrange for their being at once carried out; a resident manager at each of the two disinfecting apparatuses; four vans with the necessary drivers and attendants; two for carrying infected clothing, and two for returning the clothes and other articles after disinfection. The heat of the stoves is kept up at a temperature varying from 200 to 212 Fhrt. The Ford Street apparatus is, as described in my Annual Report for 1866, heated by steam, while that at New Bird Street is heated by hot air. When the Ford Street apparatus was first used the steam was admitted into the casing of the stoves at 8lb. pressure, which was equal to produce a temperature exceeding 212 Fhrt. The result of that pressure was the breakage of several of the casing-plates, and the escape of steam. Since that time the pressure has been regulated by a Farron's patent equilibrium valve to 6lbs., which keeps up the temperature of the stoves at about 205 Fhrt. As the difficulty at Ford Street is that of regulating the steam-pressure so as to get with safety the required temperature, so the difficulty at New Bird Street is to prevent excessive heat by the hot air. This is managed by means of a damper at the entrance of the cold air flue, and by a brass-screw valve in the door of each stove. Our experience at New Bird Street shows that any temperature in excess of 212 Fhrt. is apt to injure clothing if they come into direct contact with the metal casing of the stove. The period during which articles are kept in the stoves varies from six to eight hours, according to their size.

The number of articles disinfected during the year was, as will be seen by the following table, 118,421:—

THE DISINFECTING APPARATUS.

Date 1871.	Number of Articles Disinfected in the Apparatus. Ford Street.	New Bird Street.	Date 1871.	Number of Articles Disinfected in the Apparatus. Ford Street.	New Bird Street.
Week ending			Week ending		
January 5	2543	1190	July 6	1074	995
.....12	1599	990	13	890	704
.....19	1929	929	20	1425	1577
.....26	1887	1274	27	795	705
February 2	2011	1537	August 3	895	657
..... 9	1995	1503	10	695	449
.....16	2308	1273	17	223	1066
.....23	2484	1922	24	718	344
March 2	3100	1807	31	676	293
..... 9	2011	2212	September..... 7	294	462
.....16	1930	1582	14	669	501
.....23	1131	1162	21	297	839
.....30	1782	1276	28	678	637
Total for Quarter.	26710	18657	Total for Quarter.	9329	9229
April 6	2361	2252	October 5	679	529
.....13	1185	1422	12	548	624
.....20	2074	2141	19	571	740
.....27	1639	1344	26	798	630
May 4	1875	1443	November..... 2	669	1093
.....11	1555	1941	 9	475	759
.....18	1871	1431	16	901	437
.....25	1789	1126	23	891	609
June 1	1369	1781	30	540	551
..... 8	1110	1256	December 7	445	467
.....15	1240	1313	14	311	535
.....22	558	1288	21	312	606
.....29	1318	733	28	128	183
Total for Quarter.	19994	19471	Total for Quarter.	7268	7763

DESTRUCTION OF INFECTED CLOTHING.

The Parochial Boards and Health Committee of the Council instructed their Officers to purchase and destroy all articles of clothing and bedding belonging to Small Pox patients, which in their opinion were, or would be, unfit for use, even after disinfection. In order to afford the Relieving and other Officers every facility for safely carrying these orders into effect, a special furnace was erected in the yard of the Disinfecting Apparatus, in New Bird Street, where, as will be seen by the following table, a total of 8,157 articles were destroyed between the 9th November, 1870, and 31st December, 1871.

By whom the orders for destruction were signed.	Beds.	Mattresses.	Wearing Apparel.	Bed Linen.	Pillows and Bolsters.	Miscellaneous.	Total.
Owners and others (without compensation)	54	125	86	40	39	123	467
Compensation made by the Corporation	187	419	42	194	225	907	1974
Ditto by Parish of Liverpool	45	82	104	46	55	298	630
Ditto by Toxteth Park	2	13	14	2	9	4	44
Ditto by West Derby Union	5	11	6	...	...	20	42
Total	293	650	252	282	328	1352	3157

WASHHOUSES FOR INFECTED CLOTHES.

Washhouses and hot air drying rooms are attached to the Disinfecting Apparatuses, but it was found extremely difficult so to utilise these places as to afford to the poorer sections of the community, the necessary facilities for washing their clothes after disinfection. The Health Committee therefore determined to erect two distinct and separate washhouses;—one at Burlington Street, near the Ford Street apparatus, and another near to the apparatus in New Bird Street, and in order to induce poor people to avail themselves of these estabiishments, the Committee further agreed to supply gratuitously the necessary soap and soda. There is no doubt that these washhouses did a great deal of good; but at the same time it must be frankly admitted that the per centage of the families of the sick who availed themselves of their advantages was exceedingly small. This is the more remarkable as the public washhouses in Paul Street and Upper Frederick Street, where a small charge is made for the use of *tubs and hot water*, are always crowded.

Return of work done at the washhouse Burlington Street, (opened March 15th, 1871,) and at the washhouse, New Bird Street, (opened April 3rd, 1871.)

	Washers.	Soap used.	Soda used.
Burlington Street	455	1001 lbs.	421 lbs.
New Bird ,,	333	473¾ ,,	271½ ,,
Total	788	1474¾ lbs.	692½ lbs.

THE LIVERPOOL SANITARY AMENDMENT ACT, 1864.

The power of the Corporation for the compulsory purchase of land under the provisions of the Sanitary Act 1864, having lapsed, there was necessarily a postponement of the Medical Officer's reports to the Grand Jury, until the power was renewed by the Liverpool Improvement Act 1871. This Act received the Royal Assent on 31st July, and the report upon which was grounded the fifth presentment, was forwarded to the Town Clerk, and to the Clerk of the Peace, on 7th September. The presentment ordered the destruction of 85 houses.

BOSTOCK STREET: the courts of this street were constructed out of the yards of front houses, and because of the narrow and confined area upon which they were built, and the want of ventilation, became the seats of epidemic contagious disease. The destruction of 17 of the houses of these courts which both by reason of position and condition were unfit for human habitation, will restore the street to its original plan of construction, and give a continuous and thorough ventilation at the rear of all the houses.

NAYLOR STREET: each court of Naylor Street, contains on an average 12 houses. The entrances of the courts are narrowed by the front houses; they are close and long, and have at their ends a line of stables which shuts out thorough ventilation. The removal of 12 houses, will permit a free current of air through the whole line of courts. The Grand Jury also presented for demolition two front houses of this street, so as to open the entrance and admit ventilation to courts in Gladstone Street. This will complete the district improvement ordered by the Grand Jury in 1865.

NORTH STRET: the demolition of 9 houses in the very narrow and confined courts in North Street was ordered by the Grand Jury, because by reason of their position and condition, they were dangerous to health.

MANN STREET No. 7, Court: the two houses Nos. 5, and 13, had become notable by reason of the persistent continuance of Fever. They are small cottages, built in the yards originally belonging to two other houses of the court, and were ordered for demolition, because by reason of their position, condition, and want of ventilation, they were dangerous to the health of the inhabitants.

FORD STREET: the demolition of 24 houses in this very crowded and sickly district opens to thorough ventilation, 21 of the courts of Ford Street, and Gildart's Gardens, containing 136 houses.

MAGUIRE STREET: the 8 houses ordered for demolition in this Street, were by reason of their position and condition, unfit for human habitation; their removal will benefit 11 courts and 42 houses.

ARLEY STREET: the demolition of 11 houses, gives a free circulation of air to 10 courts in Arley and Maguire Streets. This improvement opens up two of the worst of those Courts, which are locally termed honey-comb courts, on account of their almost cellular arrangements.

UNWHOLESOME MEAT AND FISH CONDEMNED AND DESTROYED DURING 1871.

		Beef.	Veal.	Mutton.	Lamb.	Pork.	Poultry.	Rabbits.	Fish.	Shell Fish.	Oysters.	Game.
		Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Head	Head	Lbs.	Bags.	Number	Lbs,
Slaughter Houses.	Abattoir	37394	3306	10575	219	6173	...	...	...	...	...	...
	Arley Street	7081	...	...	...	126	...	...	24	...	...	...
	Bevington Hill	38235	10359	658	...	476	...	...	...	...	...	...
	Bolton Street	536	66	...	...	...	...	...	...	...	...	...
	Brownlow Hill	320	142	...	...	...	...	...	145	...	...	...
	Finch Place	...	...	314	...	...	...	...	...	...	...	...
	Foley Street	500	...	...	...	...	...	...	...	...	...	...
	Gelling Street	11147	460	...	...	...	...	...	...	...	...	...
	Hood Street	340	805	...	...	...	...	...	...	...	...	...
	Leeds Street	...	...	...	32	...	...	...	...	...	...	...
	Lower Milk Street	...	...	...	...	784	...	...	...	...	...	...
	Parliament Street	1167	268	116	...	...	...	...	...	...	...	...
	Plumbe Street	...	...	...	...	920	...	...	...	...	...	...
	Price Street	...	...	36	...	...	...	...	...	...	...	...
	Scotland Road	5934	9196	...	...	89	...	...	3529	...	...	...
	Silver Street	...	70	...	...	...	...	...	...	...	...	...
	Stanley Road	2743	100	236	...	645	...	...	...	...	...	...
	St. James's Street	48	...	29	...	...	...	...	...	...	...	...
	Upper Milk Street	396	..	...	...	604	...	...	...	...	...	...
Markets.	Cleveland Sq. Market	...	...	...	...	...	...	...	588	...	...	...
	Gill Street Market	...	...	...	...	2651	...	...	...	...	...	...
	St. James's Market	683	202	226	...	1290	...	12	...	...	...	...
	St. John's Market	1935	522	287	...	...	137	1704	281589	145	28340	268
	St. Martin's Market	400	98	110	77	...	...	....	651	...	...	...
Other Parts.	Brunswick Road	...	...	...	...	...	...	...	299	...	...	...
	Clarence Dock	...	...	...	...	...	...	...	8508	...	...	...
	Coburg Dock	...	...	...	...	...	...	...	168	...	...	...
	Cumberland Street	...	...	...	...	246	...	...	...	...	...	...
	Dale Street	...	...	...	...	84	...	...	...	...	...	...
	Duncan Street	...	...	166	...	...	...	...	...	...	...	...
	Gascoyne Street	...	...	...	...	...	...	...	156	...	...	...
	George's Dock	...	...	...	...	...	...	...	1288	1	...	...
	Great Charlotte Street	...	...	...	...	...	...	...	21663	...	...	...
	Great Homer Street	...	...	...	...	...	...	...	341	...	...	...
	Great Howard Street	...	...	...	...	...	...	...	9968	...	...	...
	Gt. Western Railway	...	...	...	...	70	...	...	...	...	...	...
	Hill Street	425	...	...	...	...	...	...	...	...	...	...
	King's Dock	...	...	...	...	360	...	...	1075	...	...	...
	Lime Street Railway	336	...	...	...	...	...	81	12730	10	...	...
	London Road	493	...	...	...	...	...	...	248	...	...	...
	Love Lane	...	...	...	...	660	...	...	...	...	...	...
	Manesty's Lane	...	...	...	...	...	...	...	8028	...	...	...
	Midghall Street	...	...	...	...	...	...	...	2102	...	...	...
	Milk Street	...	...	...	...	166	...	...	...	...	...	...
	Mill Street	420	...	...	...	20	...	...	...	...	...	...
	Northumberland Street	775	...	...	...	...	...	...	...	...	...	...
	Paddington	...	...	...	...	...	...	...	112	...	...	...
	Pitt Street	...	...	...	...	...	...	...	2464	...	...	...
	Carried forward	111308	25594	12753	328	15364	137	1797	355676	156	28340	268

Unwholesome Meat and Fish.—*Continued.*

	Beef.	Veal.	Mutton.	Lamb.	Pork.	Poultry.	Rabbits	Fish.	Shell Fish.	Oysters.	Game.
	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Head	Head	Lbs.	Bags.	Number	Lbs.
Other Parts. Brought forward....	111308	25594	12753	328	15364	137	1797	355676	156	28340	268
Prince's Dock.....	...	77	...	...	...	...	...	...	...	...	...
Rainford Gardens	...	...	...	...	336	...	...	...	...	...	...
Richmond Row	...	...	...	...	...	...	...	69	...	...	...
Roe Street.....	...	...	...	...	...	...	...	389	...	...	...
Rose Street	...	...	...	...	...	...	...	22995	4	9549	...
Sawney Pope Street...	...	...	...	...	...	...	...	1838	...	...	...
Soho.....	...	...	...	46	...	...	...	...	...	...	...
Temple Court.....	...	...	...	...	494	...	...	...	...	...	...
Wavertree Road.....	...	...	...	...	149	...	...	...	...	...	...
Whitechapel	...	...	58	...	...	...	...	...	...	...	...
Vauxhall Road	84	...	...	...	...	...	...	358	...	...	...
Total.....	111392	25671	12811	374	16343	137	1797	381325	160	37889	268

Number of Informations for Exposing Diseased Meat, &c., for Sale..... 22

,, Fined 14

,, Sent to Gaol..... 3

Amount of Fines £45 17 6

SLAUGHTER-HOUSE RETURNS OF CATTLE KILLED IN THE BOROUGH, 1871.

Slaughter Houses.		Beasts.	Sheep.	Lambs.	Calves.	Pigs.	Goats.
Public Abattoir		25632	167562	...	10692	19672	...
New Parts.	Back Castle Street	150	682	167	...	27	...
	Back Empire Street	199	735	413	2	...	...
	Browside	292	1044	335	...	...	...
	Byles Street	379	2123	541	...	...	...
	Castle Street	867	2426	833	...	23	...
	Cotter Street	22	169	...	...	1469	...
	Corlett Street	468	2840	906	4	74	...
	Crown Street	435	2272	742	9	9	...
	Darnley Street	...	...	...	...	2131	...
	Embledon Street	493	2550	697	...	163	...
	Gelling Street	933	1348	812	190	30	...
	Grinfield Street	53	402	84	31	28	...
	Head Street (1)	198	1001	428	...	...	...
	Head Street (2)	...	...	...	...	2376	...
	Knight Street	177	872	178	...	...	...
	Parliament Street	587	3058	1059	39	1455	...
	Peel Street	147	913	320	9	2	...
	Railway Arches	1189	1430	...	...	...	...
	Sandhills	25	3272	...	...	...	...
	Mount Vernon Green	60	471	...	...	...	...
Old Parts.	Arley Street	637	698	...	...	1592	...
	Bachelor Street	229	1454	323	113	2	...
	Back Commutation Row (1)	472	2900	523	1	...	...
	" " (2)	520	2484	439	2	...	...
	Bayhorse Lane	160	1300	405	39	...	...
	Benledi Street	818	1968	560	...	...	...
	Bevington Hill	2173	1932	...	1241	...	...
	Bolton Street	1072	1966	981	290	1	...
	Brownlow Hill	61	341	105	...	...	...
	Byrom Street	...	...	...	...	1611	...
	Duke Street Lane	97	204	17	1	3	...
	Finch Place	601	2160	556	34	...	1
	Frederick Street	151	1409	410	10	45	...
	Hodson Street	438	1586	316	...	...	...
	Hood Street	1612	4363	2218	507	...	...
	Lawton Street	262	1117	277	65	...	...
	Leeds Street	...	...	...	...	892	...
	Lower Milk Street	...	...	...	...	2634	...
	Lydia Ann Street	129	251	188	...	10	...
	Norfolk Street	1655	2205	453	7	...	...
	Norman Street	...	...	...	...	864	...
	Plumbe Street	...	...	...	...	2606	...
	Price Street	470	1523	306	...	1	...
	Scotland Road	804	1604	...	1007	...	...
	Silver Street	976	2080	676	19	...	...
	Stanley Road	1135	2627	948	3	2343	...
	St. James Street	417	1135	199	...	6	...
	Upper Milk Street	1364	2837	350	...	3853	...
Total in Private Slaughter-houses		22927	67752	17765	3623	23650	1
Total in Borough		48559	235314	17765	14315	43322	1

SMOTHERED CATTLE.

Beasts.	Sheep.	Pigs.	Number found good.	Number found bad.	Weight of Bad in pounds.
12	47	174	126½	106½	27650

SHIPPON AND PIGGERY INSPECTIONS.

Number of Shippons and Piggeries inspected	362
„ Informations	59
„ fined	51
Amount of fines £22 9 6	

NUISANCES.

Nuisances inspected, complained of by Inhabitants...	1,988
„ Reported by District Officers	29,872
„ Notices issued...	20,245
„ Informations	472
Number fined	126
Magistrate's Orders to abate	101
Number withdrawn and acquitted	245
Amount of fines £70 0 10	

HOUSE TO HOUSE VISITATION.

Number of Streets examined	2,740
„ „ houses examined	47,149
„ „ „ found clean	41,992
„ „ „ „ dirty	5,157
Apartments in Street-houses examined...	178,099
Number of Courts examined	5,502
„ „ houses examined	30,396
„ „ „ found clean	25,839
„ „ „ „ dirty	4,557
Apartments in Court-houses examined...	90,971
Re-inspection of dirty houses	36,201
Total number of houses examined	113,746

CELLAR EXAMINATION.

Number of Streets in which cellars have been inspected	2,044
„ Cellars examined	23,445
„ „ „ exempt from operation of the Act...	3,835
„ „ „ found empty	8,135
„ „ „ occupied with beds	917
„ „ „ „ without beds	10,558
„ Courts in which Cellars have been inspected	2,847
„ Court Cellars examined	12,325
„ „ found empty	6,604
„ „ occupied with beds	268
„ „ occupied without beds	5,453
Number of Cellar Notices	1,041
„ „ Informations	220
„ „ Fined	192
„ „ Acquitted and withdrawn	24
„ „ Orders obtained to close	4
Amount of fines £23 12 6	

INFECTIOUS DISEASE IN HOUSES.

5,368 Street Houses examined, containing...	6,952 cases
3077 Court ,, ,, ,, ...	4,232 ,,
575 Cellars ,, ,, ,, ...	736 ,,
Number of Notices to Owners to Whitewash and Cleanse Houses in which Infectious Disease has occurred	9,953 ,,
Number of Notices to Occupiers to Whitewash Dirty Houses	9,522 ,,
,, ,, to Owners to Whitewash exterior of Court Houses ...	1,908 ,,
Renewed Notices to Whitewash	5,292 ,,
Number of Informations against Infected and Dirty Houses	782 ,,
Number Fined	492 ,,
,, Acquitted and Withdrawn (Work Done)	290 ,,
Amount of Fines	£219 13s. 4d.

HE BOROL,

SATURDAY, DE

Howard District.	Dale Street District.		Islington District.			District.		Everton District.	West Derby District.	Toxteth Park District.		Total of Borough.
...		1	1	1		...	1	9	3	7	2	53
...	...	...	...	...		...	...	1	...	...	...	1
1	1	2	5	2		...	1	14	5	6	13	75
...	...	...	1	1		...	1	1	2	...	...	9
2	...	...	...	...		...	...	...	...	1	1	10
...	...	...	...	...		...	...	...	1	...	...	6
...	...	...	...	...		...	..	1	...	1	..	3
...	...	...	...	...		...	...	2	1	...	...	7
..	...	...	...	...		...	...	1	...	...	...	3
..	...	...	...	...			...	...	...	...	...	2
1	...	1	1	...		...	1	21	8	7	5	60
...	...	...	...	...		...	...	3	1	2	...	9
...	...	...	...	...		...	...	1	...	...	...	1
...	...	...	...	...		...	...	1	...	...	1	5
...	...	...	...	...		...	...	1	...	...	...	1
...	...	...	...	...		...	...	5	...	...	...	11
1	...	...	...	1		...	...	3	3	5	1	20
...	...	...	...	...		...	1	...	...	..	...	1
...	...	...	...	...		...	...	...	2	...	...	2
2	1	1	3	3			1	11	1	1	4	38
...	...	1	2	...		...	...	1	1	...	...	16
...	...	...	...	...		...	...	1	...	...	...	1
1	1	1	...	...		...	...	...	...	...	1	4
1	2	1	4	1		...	1	15	8	7	5	79
...	1	1	1	...		...	1	3	...	1	2	18
...	...	...	...	...		...	1	3	1	1	...	9
...	...	...	...	1		...	...	...	...	...	...	2
...	...	...	...	...		...	...	...	4	2	...	15
1	...	...	1	...		...	...	...	...	3	...	6
...	1	...	...	...		...	...	...	...	1	...	5
...	...	...	1	...		...	...	2	...	1	...	5
...	...	...	...	...		...	...	2	...	...	...	3
...	...	...	...	...		...	...	...	2	...	...	6
12	14	12	12	10		...	...	56	12	12	19	269
...	...	...	...	...		...	...	...	...	...	...	1
4	3	8	...	...		...	...	13	...	3	4	56
...	...	...	...	...		...	...	1	...	...	...	1
9	4	5	15	4		...	...	30	18	13	12	162
...	...	...	...	1		...	...	...	...	...	...	5
2	2	1	...	...		...	1	2	1	1	2	55
...	...	...	2	...		...	...	1	...	2	...	9
...	3	1	...	...		...	...	4	1	1	3	26
...	...	...	...	...		...	...	...	...	...	...	1
6	3	4	3	1		...	1	21	8	3	9	213
...	1	...	...	...		...	...	...	...	...	...	2
...	...	...	...	...		...	...	3	1	1	1	19
...	...	...	...	...		...	...	1	...	...	...	1
2	1	4	4	1		...	...	9	9	1	2	55
...	...	...	...	...		...	1	...	...	..	...	1
1	1	1	1	...		...	...	...	1	1	...	6
...	2	...	...	...		...	...	1	...	2	...	13
...	...	...	...	...		...	...	...	...	...	...	5
1	1	2	3	2		...	...	7	2	...	1	63
298 301	217 213	200 160	438 412	208 204	3[illegible] 4[illegible]	230 48	235 187	1871 1737	667 636	564 648	594 629	9019 8347